

**ACCELERATED
TRAINING INSTITUTE**



Locksmithing 101 Course

Instruction Hours	19
Study Hours	45
Length	1 to 12 Months
Modality	Self-paced, 100% online



Locksmithing 101 Course Description

This Locksmithing Course will prepare students to enter a career as a professional locksmith (DOT 709.281-010 – Locksmith). This complete Locksmithing Course consists of 19 hours of detailed, easy-to follow instruction. The course covers all types of lock mechanisms and show students how to make keys and pick locks.

The course also covers pin tumbler, high security and electronic locks; everything from design and repair, to installing and picking. Residential and commercial key-in-knob, deadbolt and combination lock systems. Students will thoroughly cover design, assembly, disassembly, installation, re-keying, master keying, picking and creating impressions.

Objectives

Upon successful completion, the student will possess a thorough understanding of Warded Locks, Residential and Commercial Locks, How-to Key Locks, Creating and maintaining master lock codes, and installation of locks. Students will have the knowledge to demonstrate work ready skills. Note: hands-on or on the job training may still be required.

Equipment and materials used in this course include: An internet-capable computer, internet connection, web browser, online examinations.

Instructional Mode: Distance education not in real time. All instruction is provided via pre-recorded video lessons and online examinations. Lessons occur at a time and location determined by the student.

Method of Instruction: This course is taught in pre-recorded video instruction; however, the students can access instructors whenever they have technical questions or need assistance with completing the coursework. Students submit their questions by email to faculty@atitradeschools.com, after which they will receive an email reply and/or a telephone call from a Student Support Specialist.

Testing and Certificate Requirements: After completing the video instruction in the Locksmithing Course, students will take an online examination to test their knowledge. Exams are online, not timed, and are open book, open video. Once started, an online exam may be suspended but must be completed within 60 days. A student who passes all video instruction exams with a score of 80% or higher will receive a Locksmithing Theory Certificate.

Grading System: Students are graded on a pass/fail basis.

Passing Grade: A passing grade is given to a student who achieves a score of 80% or higher on all examinations in the Locksmithing Course. **Failing Grade:** A failing grade is given to a student who has failed to achieve a score of 80% or higher on all examinations in the Locksmithing Course.



Locksmithing 101 Course Outline

Keys: Beginning with the history of locks, showing locks as much as 400 years old, and then move into the different types of keys, students will learn key blanks, catalogs, and to how to make keys.

Students will learn how to hand-file and machine-cut flat keys, bit keys and cylinder keys. Instructors will demonstrate three different methods of code cutting cylinder keys for padlocks, door locks and automotive applications and use detailed close-ups to teach how to properly compare keys and find the correct blanks.

Locks: Instructors explain each lock mechanism in detail using diagrams, cutaways and super closeups to show even the smallest details. Students will learn:

- **Warded Locks:** Types of warded locks including padlocks and old house locks. How the mechanisms work, how to make a key by creating an impression of the lock, and how to use the proper tools to "pick" open any warded lock.
- **Lever Locks:** Instructors cover simple cabinet locks to sophisticated safe deposit locks.
- **Wafer/Cam Locks:** Includes wafer-style locks and cam locks in great detail, including automotive wafer locks. Extreme close-ups, diagrams and cutaway locks take all the mystery out of wafer lock mechanisms.
- **Pin Tumbler Locks:** Using a special cutaway lock mechanism, students learn the basic design and operation of pin tumbler locks - the main type of lock used in residential, commercial and automotive.

Lesson	Title
Lesson 1	Introduction
Lesson 2	Key Blanks
Lesson 3	Bit Key
Lesson 4	Cylinder Key
Lesson 5	Cutting
Lesson 6	Warded Locks
Lesson 7	Lever Locks
Lesson 8	Wafer Locks
Lesson 9	Pin Tumbler Locks
Lesson 10	Padlocks
Lesson 11	Handcuffs
Lesson 12	Kwikset
Lesson 13	Shlage
Lesson 14	Removable Core Locks
Lesson 15	Code Cutting Keys
Lesson 16	Master Key
Lesson 17	Entry methods
Lesson 18	Different Locks
Lesson 19	Final Thoughts