

# NHFA FIREFIGHTER I COURSE GUIDE

## UNIT 12: FORCIBLE ENTRY

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<b>CHAP</b>	<b>SKILL DRILL</b>	<b>SKILL #</b>	<b>STAND. EVOL. #</b>
12	Sizing up Padlocks	12-1	
12	Heavy-Duty Padlocks with a Duckbill Lock Breaker	12-3	
12	Regular Padlock using a Halligan Tool and Flat-Head Axe	12-4	
12	Forcing Inward-Opening Door: Two Firefighters	12-7	
12	Forcing Inward-Opening Door: One Firefighter	12-8	
12	Through-the-Lock Technique	12-10	
12	Force An Outward-Opening Door	12-11	
12	Forcing an Interior Wall	12-19	
12	Breaching an Exterior Wall	12-20	
12	Breaching a Floor	12-21	



**NH FIRE ACADEMY FIREFIGHTER I  
UNIT 12 BLOCK 1 (4HR)**

**CLASS NAME: FORCIBLE ENTRY**

**NUMBER OF INSTRUCTORS: 4**

<b>EQUIPMENT NEEDED</b>	<ul style="list-style-type: none"> <li>• Door prop</li> <li>• Forcible Entry Training Simulator (FETS)</li> <li>• Multiple cylinder locks</li> <li>• K-Tool kit</li> <li>• Axes</li> <li>• Halligans</li> <li>• Hand powered door jamb tool</li> <li>• Air supply</li> <li>• Props (Interior wall, floor, and Exterior wall)</li> </ul>
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<b>FACILITY NEEDED</b>	A suitable area large enough for the props to be used for multiple evolutions. Consideration for protection from severe weather during extreme cold or heat conditions should be evaluated.
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<b>SKILL DRILL REFERENCE</b>	12-1	12-3	12-4	12-7	12-8	12-10	12-11	12-19
	12-20	12-21						

<b>GENERAL INSTRUCTION</b>	<p>Divide the students into groups. These groups shall rotate until all students have completed the required skills.</p> <p>During the execution of the skills, students should be in the appropriate PPE including SCBA. The level of PPE and SCBA should conform to the normal level that would be employed in an actual situation.</p>
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**NH FIRE ACADEMY FIREFIGHTER I**  
**UNIT 12 BLOCK 1 (4HR)**

<b>EVOLUTION</b>	<b>DESCRIPTION</b>
<b>Inward and outward door</b>	<p>The Instructor shall demonstrate a single firefighter opening a door inward and two firefighter inward &amp; outward swinging door using the door prop</p> <p>Each student shall demonstrate a single firefighter and two firefighter opening an inward and outward swinging door (Skill Drills 12-7, 12-8, and 12-11)</p>
<b>Locks</b>	<p>The Instructor shall demonstrate sizing up a padlock and use the appropriate tools to force the lock open.</p> <p>The Instructor shall demonstrate using the K-Tool and Key Tools to manipulate a series of locks using the FETS and a selection of lock cylinders.</p> <p>The student shall demonstrate sizing up a padlock and use the appropriate tools to force the lock open and using the K-Tool to manipulate a series of cylinder locks (Skill Drill 12-1, 12-3, 12-4, and 12-10)</p>
<b>Breeching Walls and floor</b>	<p>The Instructor shall demonstrate how to breach a floor, interior wall, and exterior wall to check for fire extension.</p> <p>Given the appropriate tools the student shall demonstrate how to breach a floor, interior wall, and exterior wall to check for fire extension.</p>

**FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II**  
**Instructor Curriculum Skill Evaluation Sheet**

<b>SKILL SHEET 12-1</b>		<b>Sizing up Padlocks</b>	
<b>OBJECTIVE:</b>		NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>
<b>CANDIDATE NAME/NUMBER:</b>			<b>No.:</b>
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]		<ul style="list-style-type: none"> <li>• Padlock</li> </ul>	
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b>		Student will size-up a padlock.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
<b>CRITERIA:</b>		<b>NOTE: Based on material from the Skill Drill Instructor Guides</b> <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>	
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Student verbalizes the size-up and type of padlock they are given.		
<b>EVALUATOR COMMENTS:</b> [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

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<b>SKILL SHEET 12-3</b>		<b>Heavy-Duty Padlocks with a Duckbill Lock Breaker</b>	
<b>OBJECTIVE:</b>		NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>
<b>CANDIDATE NAME/NUMBER:</b>			<b>No.:</b>
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]		<ul style="list-style-type: none"> <li>• Duckbill Lock Breaker</li> <li>• PPE</li> <li>• Heavy Duty Padlock</li> <li>• Flat Head Axe or Maul</li> </ul>	
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b> <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will force a heavy-duty padlock with a duckbill lock breaker.	
<b>CRITERIA:</b>		<b>NOTE: Based on material from the Skill Drill Instructor Guides</b>  <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>	
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	To use a duckbill lock breaker, insert the bill into the opening of the lock and drive it in with a maul or heavy axe.		
	The bill will force the lock open. Be sure to put the duckbill into the lock bow so the wedge will pull the lock open, not make it wider. If put in sideways, the duckbill may get jammed and may not open the lock.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

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<b>SKILL SHEET 12-4</b>		<b>Force a Regular Padlock using a Halligan Tool and Flat-Head Axe</b>	
<b>OBJECTIVE:</b>		NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>
<b>CANDIDATE NAME/NUMBER:</b>			<b>No.:</b>
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]		<ul style="list-style-type: none"> <li>• Halligan Tool</li> <li>• PPE</li> <li>• Padlock</li> <li>• Flat Head Axe or Maul</li> </ul>	
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b> <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will force a regular padlock using a Halligan tool and a flat-head axe.	
<b>CRITERIA:</b>		<b>NOTE: Based on material from the Skill Drill Instructor Guides</b>  <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>	
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Insert the pike end of the Halligan in the opening and drive it through with a heavy axe.		
	Or use the fork end of the Halligan tool around the staple and twist.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

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<b>SKILL SHEET 12-7</b>		<b>Forcing Inward-Opening Door: Two Firefighters</b>	
<b>OBJECTIVE:</b>		NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>
<b>CANDIDATE NAME/NUMBER:</b>			<b>No.:</b>
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]		<ul style="list-style-type: none"> <li>• Halligan Tool</li> <li>• Flat head axe</li> <li>• PPE</li> </ul>	
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b> <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate forcing an inward-opening door.	
<b>CRITERIA:</b>		<b>NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>	
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Size up the situation.		
	Shock and gap the door by striking the door with the fork end of the Halligan on the lock side to loosen up the door.		
	Place the adze end of the Halligan 6 in. above or below the lock. Push up or pull down on the tool depending on the location of the door.		
	Place the fork end of the Halligan into the gap with the bevel end toward the door. Manipulate the tool upward toward the ceiling or downward toward the floor to start.		
	The axe firefighter, on the command of the Halligan firefighter, strikes the Halligan. The axe is not swung, but rather it is used with the shoulder and stiff arm, a jab.		
	While the tool is being driven in, the Halligan firefighter should bring the Halligan back to perpendicular and at the same time keep pressure on the tool.		
	When the Halligan firefighter feels that the fork is sufficiently past the interior door jamb, both firefighters should apply pressure toward the door. Once the door opens, the door must be controlled.		

EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

**FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II**  
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SKILL SHEET 12-8	Forcing Inward-Opening Door: One Firefighter		
OBJECTIVE:	NFPA 1001, 4.3.4	FEH Chapter: 12	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Halligan Tool</li> <li>• Flat head axe</li> <li>• PPE</li> </ul>		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:  <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate forcing an inward-opening door.		
CRITERIA:	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b> <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
Critical?		Pass	Fail
	Size up the situation.		
	Swing the pike end of the Halligan tool into door jamb, behind the door stop.		
	Push up or down on the tool depending on the location of the door.		
	Control the door.		
EVALUATOR COMMENTS:  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			



EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

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<b>SKILL SHEET 12-10</b>	<b>Through-the-Lock Technique</b>		
<b>OBJECTIVE:</b>	NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>	
<b>CANDIDATE NAME/NUMBER:</b>		<b>No.:</b>	
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Flat Head Axe</li> <li>• A-Tool, Rex Tool, or K-Tool</li> <li>• Key Tool</li> <li>• PPE</li> </ul>		
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b>  <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate through-the-lock forcible entry.		
<b>CRITERIA:</b>	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b> <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Using an A-tool, a Rex tool, or a K-tool, place the tool over the cylinder and tap it down to get a good bite on the lock.		
	Pull the tool to pry the cylinder out of the lock. This method will vary depending on the initial tool used.		
	After the lock is removed, use the appropriate key tool to open the lock.		

EVALUATOR COMMENTS:  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

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SKILL SHEET 12-11	Force An Outward-Opening Door		
OBJECTIVE:	NFPA 1001, 4.3.4	FEH Chapter: 12	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Flat Head Axe</li> <li>• Halligan Tool</li> <li>• PPE</li> </ul>		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:	Student will force an outward-opening door.		
	<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		
CRITERIA:	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b> <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
Critical?		Pass	Fail
	Size up the situation. Shock and gap the door.		
	Gap the door using the adze end of the Halligan.		
	Drive the adze into the opening.		

	Pull on the Halligan to force the door.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

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<b>SKILL SHEET 12-19</b>	Forcing an Interior Wall		
<b>OBJECTIVE:</b>	NFPA 1001, 4.3.4	FEH Chapter: 12	
<b>CANDIDATE NAME/NUMBER:</b>		No.:	
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Halligan Tool</li> <li>• PPE</li> </ul>		
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b>  <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate forcing an interior wall.		
<b>CRITERIA:</b>	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b>  <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Make a quick size-up for switches and outlets to avoid electric wires as well as wet walls.		
	Create a hole low in the wall.		
	Insert a tool in the hole and, using leverage, pry off the wall covering.		

	Once the near wall has an opening large enough to get through, a sharp blow or series of blows to the wall stud at the base will separate the stud from the base.		
	The stud can then be grabbed, pulled out, and put aside.  The wall sheathing on the far sidewall can now be kicked out or knocked out with a tool.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

**FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II**  
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<b>SKILL SHEET 12-20</b>	<b>Breaching an Exterior Wall</b>		
<b>OBJECTIVE:</b>	NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>	
<b>CANDIDATE NAME/NUMBER:</b>		No.:	
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Halligan Tool or Maul</li> <li>• PPE</li> </ul>		
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b>  <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate breaching an exterior wall.		
<b>CRITERIA:</b>	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b>  <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
<b>Critical?</b>			<b>Pass</b>
	Many tools can be used to cut exterior walls. If it is a hollow- core concrete block wall, use a maul and Halligan tool.  If the wall is three brick wythes thick, brick-faced concrete, or solid filled concrete, use a battering ram.		<b>Fail</b>

	Two members pick up the appropriate tool and swing repeatedly.		
	Candidate enlarges the hole to an upside down V-shaped opening.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			

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<b>SKILL SHEET 12-21</b>	<b>Breaching a Floor</b>		
<b>OBJECTIVE:</b>	NFPA 1001, 4.3.4	<b>FEH Chapter: 12</b>	
<b>CANDIDATE NAME/NUMBER:</b>		<b>No.:</b>	
<b>TEST DATE/TIME</b>			
<b>EQUIPMENT REQUIRED:</b> [Add local requirements if needed]	<ul style="list-style-type: none"> <li>• Axe</li> <li>• Pike Pole</li> <li>• PPE</li> </ul>		
<b>EVALUATOR INSTRUCTIONS</b>			
<b>CANDIDATE INSTRUCTIONS:</b>  <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate breaching a floor.		
<b>CRITERIA:</b>	<b>NOTE: Based on material from the Skill Drill Instructor Guides</b>  <b>[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]</b>		
<b>Critical?</b>		<b>Pass</b>	<b>Fail</b>
	Make sure the area is clear. Cut away floor covering, if necessary, to reveal the wooden floor. Power saws are typically used, but an axe and Halligan may also be used.		

	Strike close to the beam with the axe blade hitting at an angle to allow penetration into the hardwood.		
	Use prying tools to help if it is a masonry floor. Special tools may be needed; consider the risk versus benefit of each tool.		
<b>EVALUATOR COMMENTS:</b>  [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
<b>EVALUATOR SIGNATURE:</b>			
<b>STUDENT SIGNATURE:</b>			