

NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. Performance tests are designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:

- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date for each task in the rating box.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification for the craft being tested.
2. The training must be delivered through a Accredited Training Sponsor recognized by NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER National Registry.

**Module 30101-11 has no Performance Profile Sheet;
no performance testing is required for this module.**

Craft: Ironworking

Module Number: 30102-11

Module Title: Trade Safety



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
6	1. Position and use an aerial work platform.	
6	2. Demonstrate the proper use of a fall protection system.	
6	3. Identify points of inspection on specified pieces of equipment.	

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Craft: Ironworking

Module Number: 30103-11

Module Title: Tools and Equipment of the Trade



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Demonstrate the proper use of appropriate personal protective equipment.	
2	2. Demonstrate the safe and effective use of available ironworking hand tools.	
3	3. Demonstrate the safe and effective application of available power sources for ironworking power tools.	

continued

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Craft: Ironworking

Module Number: 30103-11

Module Title: Tools and Equipment of the Trade



Contren® Learning Series

Objective	TASK	RATING
4	4. Demonstrate the safe and effective use of available ironworking power tools.	

Craft: Ironworking

Module Number: 30104-11

Module Title: Fastening



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify selected high-strength bolts.	
3	2. Demonstrate the turn-of-nut method.	
3	3. Demonstrate calibrated wrench tightening.	
3	4. Demonstrate the proper use of a tension control gun.	

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Craft: Ironworking

Module Number: 30105-11

Module Title: Mobile Construction Cranes



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Use common lifting equipment.	
3	2. Use crane manuals, perform recordkeeping, and describe crane safety.	
5	3. Use and interpret correct hand signals.	

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Craft: Ironworking

Module Number: 30106-11

Module Title: Rigging Equipment



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
2	1. Perform a safety inspection on hooks, slings, and other rigging equipment.	

continued

Craft: Ironworking

Module Number: 30106-11

Module Title: Rigging Equipment



Contren® Learning Series

Objective	TASK	RATING
2, 4	2. Select, inspect, and use special rigging equipment, including:	
	<ul style="list-style-type: none"> • Block and tackle 	
	<ul style="list-style-type: none"> • Chain hoists 	
	<ul style="list-style-type: none"> • Come-alongs 	
	<ul style="list-style-type: none"> • Jacks 	
	<ul style="list-style-type: none"> • Tuggers 	
	<ul style="list-style-type: none"> • Wire rope 	
	<ul style="list-style-type: none"> • Chain 	
6	3. Tie knots used in rigging.	

Craft: Ironworking

Module Number: 30107-11

Module Title: Rigging Practices



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Determine the center of gravity of a load.	
4	2. Properly attach rigging hardware for routine lifts.	
6	3. Perform sling tension calculations.	
7	4. Perform a weight/volume calculation.	

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Craft: Ironworking

Module Number: 30108-11

Module Title: Trade Drawings One



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
3	1. Identify job plans and drawings used for ironworking jobs.	

continued

Craft: Ironworking

Module Number: 30108-11

Module Title: Trade Drawings One



Contren® Learning Series

Objective	TASK	RATING
3	2. Identify the symbols used on selected ironworking plans and drawings.	
3	3. Identify selected structural steel symbols and applications on job plans and drawings.	
3	4. Identify selected ornamental ironwork and welding symbols and applications on job plans and drawings.	

Craft: Ironworking

Module Number: 30109-11

Module Title: Structural Ironworking One



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Describe different uses for structural steel.	
1	2. Identify selected types, shapes, and grades of structural steel.	
2	3. Identify different types of structural-steel beams.	
1	4. Make bolted connections on structural steel.	

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Craft: Ironworking

Module Number: 30110-11

Module Title: Plumbing, Aligning, and Guying



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
2	1. Identify selected alignment tools.	
4	2. Demonstrate alignment methods.	
4	3. Demonstrate plumbing a structure.	

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Craft: Ironworking

Module Number: 29102-09

Module Title: Oxyfuel Cutting



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
2	1. Set up oxyfuel equipment.	
3	2. Light and adjust an oxyfuel torch.	
4	3. Shut down oxyfuel cutting equipment.	

continued

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Craft: Ironworking

Module Number: 29102-09

Module Title: Oxyfuel Cutting



Contren® Learning Series

Objective	TASK	RATING
5	4. Disassemble oxyfuel equipment.	
6	5. Change empty cylinders.	
7	6. Cut shapes from various thicknesses of steel, emphasizing:	
	<ul style="list-style-type: none"> • Straight line 	
	<ul style="list-style-type: none"> • Square shape 	
	<ul style="list-style-type: none"> • Piercing 	
	<ul style="list-style-type: none"> • Bevel 	
	<ul style="list-style-type: none"> • Slot 	
7	7. Perform washing.	
7	8. Perform gouging.	

Craft: Ironworking

Module Number: 30112-11

Module Title: Introduction to Arc Welding



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify welding equipment.	
3	2. Identify SMAW electrodes.	
4	3. Identify welding joints from weld symbols and drawings.	
5	4. Set up SMAW equipment and weld steel plate.	

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Craft: Ironworking

Module Number: 30113-11

Module Title: Bar Joists and Girders



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1	1. Identify selected types, shapes, and grades of bar joists and joist girders.	
4, 5	2. Interpret connection details for bar joists and girders.	
3	3. Demonstrate the ability to handle, store, and rig different types of bar joists and joist girders.	

continued

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Craft: Ironworking

Module Number: 30113-11

Module Title: Bar Joists and Girders



Contren® Learning Series

Objective	TASK	RATING
4, 5	4. Identify different bridging and mounting devices used with bar joists and joist girders.	

Craft: Ironworking
Module Number: 30114-11
Module Title: Metal Decking



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
3	1. Demonstrate safe lifting methods.	
3	2. Properly place decking.	
3	3. Identify safety precautions for decking operations.	
3	4. Demonstrate proper decking layout.	

continued

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Craft: Ironworking

Module Number: 30114-11

Module Title: Metal Decking



Contren® Learning Series

Objective	TASK	RATING
1	5. Identify types of decking.	

Craft: Ironworking

Module Number: 30115-11

Module Title: Field Fabrication



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
2	1. Use common layout tools.	
3	2. Fabricate angle iron to given dimensions.	
4	3. Fabricate channel iron to given dimensions.	
5	4. Fabricate T-shapes to given dimensions.	

continued

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Craft: Ironworking

Module Number: 30115-11

Module Title: Field Fabrication



Contren® Learning Series

Objective	TASK	RATING
6	5. Fabricate W-shapes to given dimensions.	