

CEMENT FINISHER or CEMENT MASON

Appendix A

O*NET 47-2051.00

This training outline represents a minimum standard for work processes and related instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom instruction.

WORK PROCESSES

	Approximate Hours
A. Leveling and setting screeds, including laser screed	490 - 500
B. Rodding-spreading and tamping of concrete	240 - 250
C. Drying and de-watering	25 - 50
D. Jointing and edging	340 - 450
E. Floating and troweling; operating and care of power floats	840 - 1,000
F. Applying special effects such as aggregate, color, patterning	125 - 250
G. Finishing or washing of concrete construction	240 - 250
H. Waterproofing; gunite; sandblasting (optional)*	240 - 325
I. Patching, bushing, chipping and rubbing or grinding of all concrete	440 - 500
J. Running base and curbs	240 - 500
K. Sills, steps, coping, stairs, risers, sidewalks	590 - 875
L. Setting of strips, screeds, stakes, grades, and curb forms	300 - 500
M. Laying of special floors (optional)*	290 - 375
N. Laying and finishing of gypsum material roof (optional)*	100 - 175
Approximate Total hours	4,500 - 6,000

*If optional Work Processes are not elected, the hours shall be devoted to further mastery of the required Work Processes.

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>

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APPENDIX B

RELATED INSTRUCTION

Safety and Health

1. Construction safety, including all applicable OSHA regulations, standards, rules
2. Using personal protective equipment
3. Drug and alcohol awareness
4. Scaffold safety
5. Material Safety Data Sheet (MSDS)
6. Preventing silicosis
7. First Aid – minimum 6.5 hours every 3 years
8. Sexual Harassment Prevention Training – must comply with Section 201-g of the Labor Law
9. OSHA 10-Hour Construction Course – if required for Public Work

Blueprints

1. Elementary blueprint reading and sketching
2. Blueprint reading & sketching for the building trades
3. Building plan reading and interpreting
4. Interpreting specifications

Mathematics

1. Fundamentals
2. Applications to the trade
3. Estimating

Trade Theory and Science

1. History of the trade
2. Materials of the trade
3. Terminology
4. Use of tools, machines, and equipment
5. Using lasers and transits
6. Laying out the job
7. Erecting scaffolding

8. Forms and reinforcing
9. Repair and renovation
10. Building codes and regulations

Industrial and Labor Relations (20 hours)

1. History and background (6 hours, 1st year)
2. Current laws and practices (14 hours, 2nd year)

Other suggested courses

1. Workplace diversity
2. Team building skills
3. Defensive driving

Other Related Courses as Necessary

A Minimum of 144 Hours of Related Instruction is Required for Each Apprentice for Each Year.

Appendix B topics are approved by New York State Education Department.