

Springmaker (Coiler) - 616.280.010 (4th Ed.)

The following schedule of work experience is intended as a guide. It need not be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to become fully competent and use good workmanship in all work processes which are a part of the trade. The apprentice will be fully instructed in safety and OSHA requirements.

- A. LEARNING TO OPERATE (1500 Hours)
 - 1. Familiarization with drawing
 - 2. Familiarization with gauges
 - 3. Familiarization with micrometers & scales
 - 4. Familiarization with comparator
 - 5. Familiarization with load testing units
 - 6. Familiarization with straightening wire
 - 7. Familiarization with different types
 - 8. Simple adjustments for diameter and length
 - 9. Changing wire-placing bundle on reel - starting wire into coiler machine

- B. LEARNING TO OPERATE AUXILIARY MACHINES (665 Hours)
 - 1. Lathes
 - 2. Drill Press
 - 3. Miller
 - 4. Grinder
 - 5. Hardening

- C. TOOLING (1200 Hours)
 - 1. Simple straight arbors - how to grind, etc.
 - 2. Grinding cams
 - 3. Grinding spreaders
 - 4. Cut off blades
 - 5. Guides
 - 6. Tooling for torsion attachments

- D. SETUP (2000 Hours)
 - 1. Feeding wire and setting feed
 - 2. Setting for correct hand-right & left hand
 - 3. Setting pitch
 - 4. Setting number of turns
 - 5. Setting arbor, block guide & coiling point
 - 6. Setting cutoff
 - 7. Torsion attachment setup
 - a. Setting cutoff
 - b. Setting right or left hand
 - c. Selecting proper arbor, etc.

8. Setting up special shaped springs, conical, hour glass, etc.

E. TROUBLE SHOOTING AND SPECIAL WIRE SETUP (200 Hours)

F. RELATED INSTRUCTION (435 Hours)

TOTAL - 6000 Hours

RELATED SCHEDULE

Mechanical Drawing & Shop Sketching

Elementary Physics

Science of Metal (Metallurgy)

Trade Science

Blueprint Reading

Mathematics

Economics & Safety

First Aid

WAGE SCHEDULE

0 - 1000	Hours	_____
1001 - 2000	Hours	_____
2001 - 3000	Hours	_____
3001 - 4000	Hours	_____
4001 - 5000	Hours	_____
5001 - 6000	Hours	_____
Journeyman	Rate	_____