

Machinist (EDM) - 609.782.030

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. FAMILIARIZATION WITH BASIC TOOL ROOM EQUIPMENT (1600 Hours)

1. Safety and Equipment Care
2. Drill Press
3. Milling Machine (Vertical)
4. Jig Bore
5. Lathes
6. Surface Grinding
7. Cylindrical Grinding
8. Jig Grinding

B. VERTICAL EDM TRAINING (2,000 Hours)

1. Safety and Equipment Care
2. Electrical Discharge Machining fundamentals
3. Vertical EDM Set-up
4. Thru-hole Machining
5. Blind Cavity Machining
6. Transfer Process
7. Inspection and Measurement
8. EDM Tapping
9. Removing broken taps and drills

C. NUMERICALLY CONTROLLED WIRE EDM TRAINING (1,968 Hours)

1. Safety and Equipment Care
2. Numerical Control Fundamentals
3. Machine Control Fundamentals
4. Wire EDM Set-ups
5. Selection of Cutting Parameters
6. Straight Cutting
7. Taper Cutting
8. Optical Chart Making
9. Workpiece Inspection and Measurement
10. Workpiece Cleanup and Rib Removal

D. Related Instruction (432 Hours)

TOTAL - 6000 Hours

WAGE SCHEDULE

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