

 **RRB ALP Trade Wise Syllabus 2025 – Detailed** **1 Fitter Trade Syllabus**

- Measuring tools (Vernier, Micrometer, Gauge)
 - Fitting tools & operations
 - Safety rules & workshop practices
 - Hand tools & power tools
 - Fasteners, nuts, bolts, rivets
 - Drilling, reaming, tapping
 - Limits, fits & tolerances
 - Pipe fitting & valves
 - Bearings & couplings
 - Basic welding & brazing
 - Blueprint reading & symbols
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 **2 Electrician Trade Syllabus**

- Basic electrical laws (Ohm's, Kirchhoff's)
 - AC & DC circuits
 - Electrical wiring (domestic & industrial)
 - Electrical machines (Motor, Generator, Transformer)
 - Switches, relays & starters
 - Power generation & transmission basics
 - Electrical measuring instruments
 - Earthing & safety devices
 - Batteries & charging systems
 - Cable types & joints
 - Electrical symbols & diagrams
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 **3 Mechanic Trade Syllabus**

- Workshop safety & tools
- Mechanical power transmission
- Bearings, gears & pulleys

- Hydraulics & pneumatics (basic)
 - Pumps, compressors & valves
 - Engines (basic knowledge)
 - Lubrication systems
 - Heat treatment processes
 - Measurement & inspection
 - Maintenance & fault diagnosis
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Turner Trade Syllabus

- Lathe machine types & parts
- Cutting tools & tool angles
- Turning operations (facing, threading, taper turning)
- Knurling & drilling on lathe
- Work holding devices
- CNC basics (introductory)
- Measuring instruments
- Surface finish & tolerances
- Machine safety rules
- Reading technical drawings