

# Wood Pattern Maker Job Description

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## Duties and Responsibilities:

- Read and interpret blueprints and production information to determine the dimension and shape of a pattern
- Utilize various equipment such as sanders, bandsaws, and routers in smoothing, cutting and shaping wooden patterns
- Measure the dimension of produced patterns using straightedges and protractors to ensure accurate size and measurement
- Oversee the set up and operation of woodworking machines such as lathe and powersaws
- Couple and assemble wood parts into sections, patterns or models using bolts, screws, nails or glue
- Oversee the repair and adjustment of damaged or irregular wood patterns to ensure the production of precise cast
- Carry out calculations to determine appropriate dimension, weight, and volume for a wood pattern
- Ensure easy removal of patterns from mold by dividing wood pattern into sections
- Oversee the cost estimation for a wood pattern project to determine the price of production and required materials
- Utilize color codes and paint to indicate techniques for the assembly of wood parts or patterns
- Select choice of wood stock and raw materials for a wood pattern production process
- Maintain record of operations and inventory of equipment, tools, and raw materials
- Apply decorative and preservative finish on wood patterns or models to ensure a fine appearance and long shelf life
- Oversee the construction of wooden models, jigs, molds, and templates used in forming the shape of a product or cast
- Oversee the distribution of supplies and patterns to machine operators

- Maintain an up-to-date knowledge of wood pattern design and casting techniques by participating in educational programs.

### **Wood Pattern Maker Requirements – Skills, Knowledge, and Abilities**

- Education and Training: To become a wood pattern maker, you require at least a high school diploma which is among the prerequisites for entry into furniture making or woodworking technical colleges. Job experience can be gained by working as an apprentice under experienced wood pattern makers
- Eye for details: Wood pattern makers are able to focus on the individual parts that make up a pattern to build them up to desired standards or set specification
- Math Skill: They are well versed in performing calculations to establish the dimensions of a wood pattern
- Mechanical Skills: Wood pattern makers are proficient in operating and controlling various power and manual equipment to achieve a desired effect.