

# PCT 135: Paper Manufacturing Technology

This course includes an overview of paper mill operations, including fiber raw materials (virgin and recycled), stock preparation refining, chemical additives, headbox operations, sheet forming and paper machine wet end operations, twin wire gap and multi ply forming, pressing, drying, machine clothing, calendaring, and winding. Laboratory experiences will include hands on or demonstration of paper properties and tests. Topics include steps and processes which do not require the extensive use and understanding of the laws of chemistry. Upon completion, students should be able to understand papermaking processes and have the ability to interact knowledgeably with process engineers, operators, suppliers, and technicians.

**Credits:** 3

**Lab Hours:** 2

**Lecture Hours:** 2

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