

COMPETENCY PROFILE

BLUEPRINT READING I

BTC: MACH 131 (2 credits)

Provides instruction for development in print reading using basic sketching techniques, lettering, dimensioning, lines, and makeup of a print as a form of communication.



Upon completion of high school courses equivalent to the following competencies:

- Identify lines and symbols used in industrial blueprints.
- Visualize solid objects from orthographic and isometric projections.
- Understand common formats of blueprints.
- Read and understand industrial blueprints.
- Identify or use concepts such as geometrical tolerance, surface finishes, and related foundry processes.
- Demonstrate ability to read and use engineering drawings to produce job plans in sequence for round and flat stock.
- Identify basic measuring and layout tools and procedures.
- Demonstrate ability to use the techniques to industry standards as outlined in the Machinery's Handbook.

Assessment: complete all text readings (first 8 units), chapter assignments, quizzes and tests.

College Textbooks:



Machinery's Handbook



Blueprint Reading for the Machine Trades, Russ Schultz; Prentice Hall

(first 8 units covered in MACH 131)