

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: INT 2111

Course Name: Industrial Facilities Maintenance Theory

CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Know and understand terms and techniques used in the carpentry, plumbing and HVAC trades.

CARPENTRY – TERMS AND TECHNIQUES

- Hand and Power Tools
- Cuts
- Fractions
- Fasteners
- Lumber and Sheathing Sizes and Types
- Framing Methods
- Floor, Window, Stair Framing Components
- Doors and Components
- Wood and Metal Wall Framing Components
- Drywall Mudding and Taping
- Suspended Ceiling Components
- Miter Joints
- Safety
- OSHA
- Standard Codes

PLUMBING – TERMS AND TECHNIQUES

- Hand and Power Tools
- Types of Pipes
- Types of Fittings
- Bathroom Faucets and Sinks and Water Closets
- Supports
- Drains
- Venting
- Distribution of Water
- ADA
- Safety
- OSHA
- Standard Codes

HVAC – TERMS AND TECHNIQUES

- Hand and Power Tools
- Refrigerant Operating Cycle and Components
- British Thermal Units
- Fahrenheit
- Celsius
- Pressure
- Refrigerants
- Safety
- EPA