

LTAP 130 : Trades Math

Credits 5

This course will provide students with a solid foundation in mathematical principles needed for a variety of vocational trades. Trades included, but not limited to, Pipefitters, Electricians, Laborers, Ironworkers, Carpenters and Cement Masons. Students will practice the application of the principles in the shop through a variety of apprenticeship preparation activities and tasks.

Course Outcomes

- Add and subtract construction fractions
- Calculate and use percentages
- Convert between fractions and decimals
- Use and explain various measuring techniques
- Calculate volume from linear dimensions
- Explain and apply the concepts of lineal footage, square footage and board footage
- Explain and apply the concepts of rise, run and diagonal
- Calculate material and cost
- Measure accurately as prescribed by trade union guidelines
- Apply the concepts of construction math, measuring and calculation of materials and cost by passing a comprehensive test that meets the trade union benchmark
- Use measuring devices correctly so that accurate measurements are obtained