

COMPETENCY PROFILE

BUSINESS MATHEMATICS

BTC: BUS 150 – Mathematics for Business (5 credits)

WCC: BUSAD 100 – Business Math (5 credits)




This course focuses on mathematical applications in business involving word problems. Apply math concepts to business applications such as commissions, banking, payroll, discounts, simple and compound interest, graphs, mortgages, averages, and solving for unknowns.

Required Competencies

- Solve problems involving estimating, rounding, whole numbers, fractions, decimals and percents.
- Solve problems using algebraic equations. Demonstrate ability to create equations & process to solve.
- Demonstrate knowledge of percentage problems using trade and cash discounts.
- Calculate entries needed to complete a payroll register.
- Reconcile a bank statement with a checkbook balance.
- Utilize tables to calculate simple and compound interest in regards to installment loans & promissory notes.
- Demonstrate knowledge of mean, median and mode.
- Create and interpret graphs.
- Calculate monthly mortgage payment, total interest, and the PITI.

College Textbook Reference:

 BTC: Business Math; 8th Ed.; Cleaves and Hobbs; Pearson/Prentice-Hall

 WCC: Business Mathematics: Notes for Courses in the Mathematics of Business & Finance; British Columbia Institute of Technology, 2007

This document is to certify that this student has completed the required coursework as defined by the Whatcom County Tech Prep Articulation Agreement and has demonstrated mastery for college credit. Further information about any aspect of this program may be obtained by contacting the school and instructor named on this profile.