

COMPETENCY PROFILE

BUSINESS MATHEMATICS

BTC: BUS 150 – Mathematics For Business (90 clock hours/5 credits)

WCC: BUSAD 100 – Business Math (5 credits)

Mathematical applications in business involving word problems. Apply math concepts to business applications such as commissions, banking, payroll, trade & cash discounted, markups, simple interest, taxes, insurance, stocks, bonds, compound interest, depreciation, present value, annuities & graphs.



Basic Proficiencies

- Solve problems involving estimating, rounding, whole numbers, fractions, decimals and percents.
- Demonstrate knowledge of percentage problems using trade and cash discounts, sales tax, markups and markdowns.
- Calculate entries needed to complete a payroll register.
- Reconcile a bank statement with a checkbook balance.
- Utilize tables to calculate simple interest, compound interest and present value in regard to installment loans and promissory notes.
- Calculate income, sales and property taxes.
- Calculate life, auto, medical and property insurance premiums and reimbursements.
- Demonstrate knowledge of the income statement and balance sheet.
- Compute depreciation using the straight-line, declining balance and sum-of-the-years digits methods.
- Demonstrate knowledge of buying and selling stocks and bonds.
- Demonstrate knowledge of mean, medium and mode.
- Create and interpret graphs.

College Textbook Reference:

📖 BUS 150 – College Mathematics with Business Applications; 7th Ed. By Noble/Belden, Glencoe McGraw-Hill

📖 BUSAD 100 – Business Math; 8th Ed. By Miller, Salzman and Clendenen

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.