

BUSINESS MATH II
Pierce County Careers Connection
Dual Credit Articulation Agreement

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

- Given various information about a bank checking account, calculate the balance in the account and reconcile the bank statement to the check register.
- Set up an equation with mathematical symbols and operators to describe conditions of a problem and solve for the unknown.
- Convert fractions or decimals to percents and vice versa.
- Solve problems using percentages, rates, portions, and base amounts.
- Calculate trade discounts, net price, and single equivalent discount rates given a problem with the price and various discounts applicable.
- Compute the cash discounts and net amounts due given specific shipping and credit terms.
- Calculate the cost, mark-up, selling price or percent mark-up when mark-up is based on either cost or selling price.
- Calculate simple interest using exact time, exact interest and/or exact time, ordinary interest given the principal, rate and time of a note.
- Calculate interest or discount, proceeds and due date for an interest bearing or a non-interest bearing note and for discounted notes receivable.
- Calculate compound interest amounts and present value using applicable present and future value tables.
- Calculate, for an installment loan, the finance charge, amount financed estimated annual percentage rate, monthly payments, and rebate amount using appropriate tables.
- Calculate depreciation using straight line, declining balance, units of production and tax depreciation methods.
- Calculate ending inventory values and cost of goods sold using last-in-first-out (LIFO), first-in-first-out (FIFO), weighted average, and specific identification inventory methods.
- Estimate ending inventory using the retail and gross profit methods.
- Calculate inventory turnover given a specific set of accounting data about cost of goods sold and inventory levels.
- Calculate overhead allocation using various bases for various service departments.
- Prepare a frequency distribution and a simple bar, line, and circle graphs given an observation set.
- Calculate the range, mean, median, and mode given a data set.
- Convert between Metric and English measurements systems.
- Convert between measurement units within the metric system and apply appropriate measurement units to items.
- Perform addition, subtraction, multiplication, and division on units of measure in both English and Metric systems.

A student earning a “C” grade or better may earn college credit at one of the following colleges:

<u>College</u>	<u>Course</u>	<u>Credits</u>
** Clover Park Technical College	ACTG 120 (CIP Code: 520302)	2

*Note: ** Students may earn credit for ACTG 120 at CPTC for either Business Math I OR Business Math II*