

MTH 30: Business Mathematics

Applies arithmetic to a variety of problems found in the business field, including simple and compound interest, annuities, payroll preparation, pricing, invoice preparation, trade discounts, taxes, and depreciation. Scientific calculator required.

This course is intended to prepare students to use basic mathematics in solving monetary problems in business and personal finance.

Course Student Learning Outcomes

Upon successful completion, students should be able to:

- Analyze real world scenarios to recognize when simple and compound interest, annuities, payroll preparation, pricing, invoice preparation, trade discounts, taxes, and depreciation are appropriate, formulate problems about the scenarios, creatively model these scenarios (using technology if appropriate) in order to solve the problems using multiple approaches, judge if the results are reasonable, and then interpret and clearly communicate the results.
- Appreciate business mathematics concepts that are encountered in the real world, understand and be able to communicate the underlying business concepts and mathematics involved to help another person gain insight into the situation.
- Work with simple and compound interest, annuities, payroll preparation, pricing, invoice preparation, trade discounts, taxes, and depreciation problems in various situations and use correct mathematical terminology, notation, and symbolic processes in order to be prepared for future coursework in business and mathematics that requires the use of and an understanding of the concepts of business mathematics.

Credits: 4

Prerequisites: [MTH 20](#) Equivalent placement test scores also accepted.

Program: [Mathematics](#)