

# MATHEMATICS (854)

Information provided includes course descriptions by subject only. For complete 2024-2025 programs/academic plans, please refer to Academic Programs (<https://catalog.blackhawk.edu/academics/>).

## 854-713 BSE Mathematics 1

**Credits:** 1-3

Focuses on developing number concepts, mathematical language, and whole number topics, and using place value concepts to perform addition, subtraction, and multiplication using multiple digits, and division with single digit divisors and without remainders; identifying and using all basic mathematical symbols. Identifying simple fractions and developing the concept of fractions as numbers as well as analyzing two and three-dimensional shapes, applying basic concepts of measurement and money, developing measurement concepts, and creating visual data. Also focuses on performing basic organization and analysis of graphics as well as using critical thinking skills and applying the mathematical properties to problem solve, perform computations, estimate results, and apply mathematics to real-world situations. Learners communicate mathematically by using accepted tools and technology; by using appropriate vocabulary, notations, and labels; and by using estimation strategies to determine the reasonableness of a solution. \*Credits earned in this course will not be counted toward the number of credits needed for any degree. This course is not eligible for financial aid, and the credits do not count in enrollment status for financial aid eligibility.\*

**Aid Code:** 73 - undefined.

**Pre-requisites:** (GED/ESL/BS Course Approval)

Complete Course Listing

## 854-755 BSE Mathematics for Workplace Learning Center

**Credits:** 1-2

Participants in this course will learn how to effectively use the basic concepts of whole numbers, fractions and decimals as they apply to either professional or personal use. The course will also provide specific preparation in the areas of algebra and geometry that could be used in vocational/technical programs or employment. Instruction will also be available for site specific math needs (example: pre-S.P.C. training or metric conversion). Participants will also learn problem solving skills using work related materials when appropriate. Course work may also be used in preparation for the GED test.

**Aid Code:** 77 - undefined.

Complete Course Listing

## 854-764 Math 2 GED Review

**Credits:** 1-3

This course develops math skills needed for the Mathematical Reasoning GED test at the pre-GED level. This course reviews whole numbers and develops fractions, decimals, measurements, mathematical language, percents, ratios, and proportions. This level may introduce basic algebra and geometry concepts. \*Credits earned in this course will not be counted toward the number of credits needed for any degree. This course is not eligible for financial aid, and the credits do not count in enrollment status for financial aid eligibility.\*

**Aid Code:** 74 - undefined.

**Pre-requisites:** (GED/ESL/BS Course Approval)

Complete Course Listing

## 854-765 BSE Certified Nursing Assistant Mathematics

**Credits:** 1-2

This course will provide instruction in math skills needed to be successful in the Certified Nursing Assistant Program.

**Aid Code:** 74 - undefined.

Complete Course Listing

## 854-772 Math 3 GED Review

**Credits:** 1-3

This course reviews whole numbers and develops fractions, decimals, measurements, mathematical language, percents, ratios, and proportions. It includes an introduction to algebra and geometry and provides more higher level thinking and problem solving skills needed for the Mathematical Reasoning GED test. It may also develop math skills needed for the Social Studies and Science GED tests. \*Credits earned in this course will not be counted toward the number of credits needed for any degree. This course is not eligible for financial aid, and the credits do not count in enrollment status for financial aid eligibility.\*

**Aid Code:** 76 - undefined.

**Pre-requisites:** (GED/ESL/BS Course Approval)

Complete Course Listing

## 854-800 Algebra Studio

**Credits:** 0.5-1

Highly interactive format providing small group and individualized mathematics/algebra instruction that helps students develop mathematical skills and strategies for succeeding in college-level algebra. Must be taken concurrently with Intermediate Algebra.

**Aid Code:** 77 - undefined.

**Pre-requisites:** (Next Gen AccuPlacer Arithmetic, 272 or Next Gen AccuPlacer QRAS, 210 or ACT Math, 17 or SAT Mathematics, 510 or GED-Math, 165 or GPA High School, 2.6

**Co-requisites:** 804-118)

Complete Course Listing

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**854-802 Math Foundations**

**Credits:** 0.5-1

A small group and individualized instruction course that helps students develop precollege math skills. Emphasizes number operations needed to define and solve algebra and geometry problems and mathematical learning strategies. Must be taken concurrently with Pre-Algebra.

**Aid Code:** 77 - undefined.

Complete Course Listing

**854-805 Math Studio**

**Credits:** 0.5-1

Highly interactive format providing small group and individualized mathematics instruction that helps students develop mathematical skills and strategies for succeeding in college-level math. Must be taken concurrently with Mathematical Reasoning.

**Aid Code:** 77 - undefined.

**Pre-requisites:** ACT Math, 15 or SAT Reading, 320 or Next Gen AccuPlacer Arithmetic, 243 or GPA High School, 2.0

**Co-requisites:** 804-134

Complete Course Listing