

MATHEMATICS (854)

Information provided includes course descriptions by subject only. For complete 2018-2019 programs/academic plans, please refer to Academic Programs (<http://catalog.blackhawk.edu/academics>).

854-713 BSE Mathematics 1

Credits: 3

Develops number concepts, mathematical language and whole number topics. This level introduces fractions, decimals, measurements and geometric shapes. Students use critical thinking skills to problem solve, perform computations, estimate results, interpret and develop data, work with appropriate technology and apply mathematics to real-world situations.

Aid Code: 73 - Beg ABE (0-5.9).

Complete Course Listing

854-755 BSE Mathematics for Workplace Learning Center

Credits: 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 - ASE Developmental.

Complete Course Listing

854-762 Math 2

Credits: 3

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. Students use critical thinking skills to problem solve, perform computations, estimate results, interpret and develop data, work with appropriate technology and apply mathematics to real-world situations. Successful completion of Math 2 is required for progression to Math 3. *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 - Interm ABE (6.0-8.9).

Pre-requisites: (COMPASS Pre-Algebra Skills, 001 or AccuPlacer Arithmetic, 020 or ACT Math, 01)

Complete Course Listing

854-763 BSE Mathematics for Accuplacer

Credits: 2

This course will provide instruction in math skills needed to be successful on the ACCUPLACER math test.

Aid Code: 74 - Interm ABE (6.0-8.9).

Complete Course Listing

854-764 Math 2 GED Review

Credits: 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 - Interm ABE (6.0-8.9).

Complete Course Listing

854-765 BSE Certified Nursing Assistant Mathematics

Credits: 2

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

Aid Code: 74 - Interm ABE (6.0-8.9).

Complete Course Listing

854-771 BSE Mathematics, GED

Credits: 3

Introduction to algebra and geometry. A continuation of BSE, Math 2. Provides more advanced, higher level thinking and problem solving skills needed for the GED test.

Aid Code: 76 - HS Dip,GED,HSED (9.0-12.9).

Complete Course Listing

854-772 Math 3 GED Review

Credits: 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 - HS Dip,GED,HSED (9.0-12.9).

Complete Course Listing

854-776 BSE Mathematics 3, Pharmacology Mathematics

Credits: 1

Designed for students entering the Associate Degree Nursing program, specifically preparing for the Pharmacology Math Test that the ADN students take during Fundamentals. Topics will include decimals, fractions, metric measurements, and calculating the amount of medication to be administered. This course does NOT satisfy the Program Ready requirement for the ADN program. *Credits earned in this course will not be counted toward the number of credits needed for any degree.*

Aid Code: 77 - ASE Developmental.

Complete Course Listing

854-777 BSE Mathematics 3, Radiography Mathematics**Credits:** 2

Designed for students entering the Radiography program. Topics will include decimals, fractions, percents, metric measurements, conversions, significant figures, scientific notation, working with formulas, and solving for the unknown. Special emphasis will be placed on problems related to the field of radiography. This course does satisfy the Program Ready requirement for the Radiography Program. *Credits earned in this course will not be counted toward the number of credits needed for any degree.*

Aid Code: 77 - ASE Developmental.

Complete Course Listing

854-778 BSE Mathematics 3, Nursing Mathematics**Credits:** 2

Designed for students entering the Associate Degree Nursing program. Topics will include decimals, fractions, percents, metric measurements, conversions, concentrations, significant figures, scientific notation, working with formulas, and solving for the unknown. Special emphasis will be placed on preparing for the math tests required by the ADN program. This course does NOT satisfy the Program Ready requirement for the ADN program. *Credits earned in this course will not be counted toward the number of credits needed for any degree.*

Aid Code: 77 - ASE Developmental.

Complete Course Listing

854-781 Math 3**Credits:** 2

This course will include a review of whole numbers, fractions, ratios, proportions, and percents. It will also focus on English and metric conversions, applied geometry, basic statistics, and graph reading. Finally, students will develop their signed number skills as well as learn how to solve equations after an introduction to basic algebraic concepts. Successful completion of Math 3 with a C or better is required for progression to Pre-Algebra. *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 - HS Dip,GED.HSED (9.0-12.9).**Pre-requisites:** (ASSET Numerical Skills, 26 or COMPASS Pre-Algebra Skills, 018 or ACT Math, 13 or AccuPlacer Arithmetic, 030 or 854-762)

Complete Course Listing

854-785 BSE Mathematics 3, Allied Health Math**Credits:** 2

Designed for students entering a program in the health occupations that would benefit from an introduction to algebra. Provides problem-solving skills needed for drug calculations and courses in physics and chemistry. *Credits earned in this course will not be counted toward the number of credits needed for any degree.*

Aid Code: 77 - ASE Developmental.

Complete Course Listing

854-788 BSE Mathematics 3, Modu Math Algebra**Credits:** 3

This computer program uses practical video segments geared toward improving basic math skills. Students get the essential instruction, including drill and practice, required for complete mastery of basic operations involving whole numbers, fractions, decimals, percents, and signed numbers. The introductory algebra course covers basic concepts; order of operations; adding, subtracting and multiplying laws; problem solving; inequalities; graphing; factoring; quadratics and more. Students may use this for the Electrical Apprenticeship, AND, Radiography, Dental Hygiene, and PTA algebra requirements.

Aid Code: 78 - ASE Remedial.

Complete Course Listing

854-789 BSE Mathematics 3, Modu Math Algebra**Credits:** 3

This computer program uses practical video segments geared toward improving basic math skills. Students get the essential instruction, including drill and practice, required for complete mastery of basic operations involving whole numbers, fractions, decimals, percents, and signed numbers. The introductory algebra course covers basic concepts; order of operations; adding, subtracting and multiplying laws; problem solving; inequalities; graphing; factoring; quadratics and more. Students may use this for the Electrical Apprenticeship, AND, Radiography, Dental Hygiene, and PTA algebra requirements. *Credits earned in this course will not be counted toward the number of credits needed for any degree.*

Aid Code: 77 - ASE Developmental.

Complete Course Listing

- * A **TBA Class** is an individualized class that meets in the indicated Learning Lab during Lab hours. The hours are flexible, and students work at their own pace. These classes require approximately 4-6 hours per week in the Learning Lab to be successful. Please stop by Room 2216, or call 608-757-7676, if you have any questions, or would like to set up a schedule.