MATHEMATICS

Program Purpose: Students who complete Mathematics courses will demonstrate critical thinking skills, analyze abstract concepts, and transition from the concrete to the abstract in mathematical thinking.

The Mathematics program offers training in both pure and applied mathematics, leading to careers in research, education, business, industry, and government, including such professions as educators, statisticians, actuaries, and operations research analysts. Many areas, such as the physical and social sciences, engineering, economic, and business, are dependent upon the use of applied mathematics in developing solutions to practical problems.

Students who complete Mathematics courses (https://www.moorparkcollege.edu/sites/moorparkcollege/files/media/pdf_document/2022/Math%20Flow%20Chart_1_26_22%20%28A11y%29.pdf) will demonstrate critical thinking skills, analyze abstract concepts, and transition from the concrete to the abstract in mathematical thinking.

NOTE: Some courses may have credit limitations. Refer to the **Credit Limitations and UC Credit Limitations** areas, and the UC Transfer Course Agreement (http://catalog.vcccd.edu/moorpark/transfer-information/transfer-uc/#uctcatext) page for details.

MATH M01 Elementary Algebra 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: 1 year of high school pre-algebra or equivalent with grade of C or better or MATH M09 or placement as determined by college's multiple measures assessment process
Reviews briefly arithmetic including integers, fractions, and decimals. Covers algebraic expressions, linear equations and inequalities, graphing lines, systems of linear equations, integer exponents, polynomials, factoring of polynomials, solving quadratic equations by the factoring method, and rational expressions. OTHER: MATH M01 is equivalent to MATH M01A and MATH M01B. Unit credit may be received for either MATH M01 or (MATH M01A and MATH M01B, or MATH M04A), but not both.
Grade Modes: Letter Graded, Credit by exam, license etc., Student Option-Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: None
Transfer Credit: None

MATH M03 Intermediate Algebra 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: Elementary Algebra or placement as determined by college's multiple measures assessment process
Reviews briefly linear equations and inequalities, graphing, factoring, and rational expressions. Covers systems of linear equations, rational functions, complex fractions, rational exponents and radicals, complex numbers, quadratic equations, graphs of parabolas, functions, composition and inverse functions, exponential and logarithmic functions.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: None

MATH M05 College Algebra for STEM Studies 4 Units
In-Class Hours: 70 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
Covers quadratic equations, linear and non-linear inequalities, absolute value equations and inequalities, complex numbers, functions, polynomial functions, rational functions, exponential functions, logarithmic functions, and systems of equations. Includes the theory of polynomial equations and analytic geometry, conic sections, sequences and series.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC and CSU - completing MATH M05 and MATH M06 is equivalent to completing MATH M07. 1) Students completing MATH M05, MATH M06 and MATH M07 receive a maximum credit of 7 units for MC and CSU; 2) MATH M05 and MATH M11 combined: maximum credit, 4 units.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M05, MATH M07, and MATH M11 combined: maximum credit one course, no more than 5 semester or 7.5 quarter units
CSU GE-Breadth: B4
IGETC: 2A

MATH M06 Trigonometry 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
C-ID: MATH 851
Studies the trigonometric functions, their inverses and their graphs. Covers identities and proofs related to trigonometric expressions and solving trigonometric equations, right triangles, and general triangles using the law of cosines and the law of sines. Provides an introduction to polar coordinates, vectors, and vector operations.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC and CSU - completing MATH M05 and MATH M06 is equivalent to completing MATH M07. 1) Students completing MATH M05, MATH M06 and MATH M07 receive a maximum credit of 7 units for MC and CSU; 2) MATH M05 and MATH M11 combined: maximum credit, 4 units.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU
UC Credit Limitations: MATH M05, MATH M07, and MATH M11 combined: maximum credit one course, no more than 5 semester or 7.5 quarter units
CSU GE-Breadth: B4
IGETC: None

MATH M07 Precalculus and Trigonometry 6 Units
In-Class Hours: 105 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
C-ID: MATH 955
Integrates college algebra and trigonometry. Includes basic algebraic concepts, equations and inequalities of the first and second degree, systems of equations and inequalities, functions and graphs, linear and quadratic functions, polynomial functions of higher degree, rational functions, exponential and logarithmic functions, trigonometric functions, analytical trigonometry, and polar coordinates.
Catalog Notes: Recommended for students planning to enter the MATH M25A/B/C sequence.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC and CSU - completing MATH M05 and MATH M06 is equivalent to completing MATH M07. Students completing MATH M05, M06 and M07 receive a maximum credit of 7 units for MC and CSU.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M05, MATH M07, and MATH M11 combined: maximum credit one course, no more than 5 semester or 7.5 quarter units
CSU GE-Breadth: B4
IGETC: 2A

MATH M10 Mathematics for Elementary Teachers 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
C-ID: MATH 120
Focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real numbers systems and subsystems. Emphasizes the comprehension and analysis of mathematical concepts and applications of logical reasoning.
Catalog Notes: Designed for students intending to teach in K-8; Not recommended for majors in physical sciences or mathematics.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: None

MATH M11 College Algebra for the Liberal Arts 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: MATH M03 or MATH M03B or High School Algebra II or placement as determined by college's multiple measures assessment process
C-ID: MATH 150
Covers theory of functions including operations on functions, graphs, domain and range, and evaluation. Includes types of functions such as linear, quadratic, polynomial, rational, exponential and logarithmic functions. Analyzes graphs including curve sketching, intercepts, transformations, vertices and asymptotes. Covers linear and non-linear inequalities, solving exponential and logarithmic equations and complex numbers. Course is intended primarily as a prerequisite for students taking Business Calculus, and for students requiring college algebra content for non-STEM majors.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC, CSU: MATH M05 and MATH M11 combined: maximum 4 units.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M05, MATH M07, and MATH M11 combined: maximum credit one course, no more than 5 semester or 7.5 quarter units
CSU GE-Breadth: B4
IGETC: 2A

MATH M12 Mathematical Reasoning for Liberal Arts 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
Introduces liberal arts students to mathematical ideas necessary for their careers and daily lives. Includes topics in logic, quantitative information in the real world, managing finances, statistical reasoning, and mathematics in politics. Enhances mathematical ideas with topics in fields such as the arts, quantitative reasoning, and more.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M15 Introductory Statistics 4 Units
In-Class Hours: 70 lecture
Prerequisites: Intermediate Algebra or Pathways to Statistics or placement as determined by the college's multiple measures assessment process
C-ID: MATH 110
Explores the nature of statistical methods, including description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypotheses and special topics. Provides problem-solving techniques.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC, CSU, and UC - Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or "P". Moorpark College Honors Program requires a letter grade.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M15, MATH M15H, MATH M37DS combined: maximum credit, 1 course
CSU GE-Breadth: B4
IGETC: 2A

MATH M15H Honors: Introductory Statistics 4 Units
In-Class Hours: 70 lecture
Prerequisites: Intermediate Algebra or Pathways to Statistics or placement as determined by the college's multiple measures assessment process
C-ID: MATH 110
Explores the nature of statistical methods, including description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypotheses and special topics. Provides problem solving techniques. Uses technology to analyze large data sets. Honors work challenges students to be more analytical and creative through expanded assignments and enrichment opportunities.
Grade Modes: Letter Graded
Credit Limitations: Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or "P". Moorpark College Honors Program requires a letter grade.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M15, MATH M15H, MATH M37DS, PSY M125 and SOC M125 combined: maximum credit, 1 course
CSU GE-Breadth: B4
IGETC: 2A

MATH M16A Applied Calculus I 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: Course taught at the level of intermediate algebra or placement as determined by college's multiple measures assessment process
Advisories/Rec Prep: College Algebra or equivalent
C-ID: MATH 140
Covers limits, continuity, and differentiation. Applies differential calculus to problems in business, economics, social and biological sciences. Introduces anti-differentiation and its applications in business and economics.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M16B Applied Calculus II 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: MATH M16A or MATH M25A or MATH M25AH or placement as determined by college's multiple measures assessment process
Includes integration, elementary and separable differential equations, functions of several variables, partial derivatives, relative maxima and minima, Lagrange multipliers, method of least squares, double integrals, infinite series, Taylor approximation, and Newton’s method. Applies calculus to problems in business, economics, and social and biological sciences.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC, CSU, UC - MATH M16B and MATH M25B combined: maximum credit, one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M19 Math for Health Sciences 1 Unit
In-Class Hours: 17.5 lecture
Prerequisites: Intermediate Algebra or placement as determined by the college's multiple measures assessment process
Covers ratios, fractions, decimals and percents. Includes unit conversions, metric and household abbreviations, use of formulas, proportion and unit simplification. Coaches how to perform mental estimations and mental calculations.
Catalog Notes: May be taken before entrance to the Nursing Program or after acceptance to the Nursing Program.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: None
Transfer Credit: None

MATH M21 Discrete Mathematics 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: MATH M25A or MATH M25AH
Advisories/Rec Prep: CS M10A or CS M125
C-ID: MATH M160, COMP 152
Covers elements of discrete mathematics which have application to computer science. Includes the following topics: logic, sets, functions, relations, proof techniques, mathematical induction, recurrence relations, graphs, trees, discrete probability, Boolean algebra and a brief introduction to programming.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: MC, CSU and UC: MATH M21 and CS M155 combined: Maximum credit, one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M25A Calculus with Analytic Geometry I 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: MATH M05 and MATH M06 or MATH M07 or placement as determined by college's multiple measures assessment process
C-ID: MATH 210, MATH 900S (with MATH M25A/H and MATH M25B/H)
Covers limits, continuity, differentiation and integration of algebraic functions. Teaches differentiation and integration of transcendental functions with applications.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: 1) MC, CSU, UC: Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or "P". Moorpark College Honors Program requires a letter grade. 2) MATH M16A, M25A, and M25AH combined: maximum one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M25AH Honors: Calculus With Analytic Geometry I 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: MATH M05 and MATH M06 or MATH M07 or placement as determined by college's multiple measures assessment process
C-ID: MATH 210, MATH 900S (with MATH M25A/H and MATH M25B)
Covers limits, continuity, differentiation and integration of algebraic functions, and differentiation and integration of transcendental functions with applications. Honors work challenges students to be more analytical and creative through expanded assignments and enrichment opportunities.
Grade Modes: Letter Graded
Credit Limitations: 1) Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or "P". Moorpark College Honors Program requires a letter grade. 2) MATH M16A, M25A, and M25AH combined: maximum one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M25B Calculus with Analytic Geometry II 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: MATH M25A or MATH M25AH or MATH M16B or placement as determined by college's multiple measures assessment process
C-ID: MATH 220, MATH 900S (with MATH M25A/H and M25B)
Reviews integration. Covers area, volume, arc length, surface area, centers of mass, physics applications, techniques of integration, improper integrals, sequences, series, Taylor’s Theorem, parametric equations, polar coordinates, and conic sections with translations.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Credit Limitations: 1) Students cannot complete both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or "P". Moorpark College Honors Program requires a letter grade. 2. MATH M16B and MATH M25B or MATH M25BH combined: maximum one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M25BH Honors: Calculus with Analytic Geometry II 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: MATH M25A or MATH M25AH or MATH M16B or placement as determined by college's multiple measures assessment process
Reviews integration. Covers area, volume, arc length, surface area, centers of mass, physics applications, techniques of integration, improper integrals, sequences, series, Taylor's Theorem, parametric equations, polar coordinates, and conic sections with translations. Honors work challenges students to be more analytical and creative through expanded assignments and enrichment opportunities.
Grade Modes: Letter Graded
Credit Limitations: 1. Students cannot complete both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of "C" or better or "P". Moorpark College Honors Program requires a letter grade. 2. MATH M16B and MATH M25B or MATH M25BH combined: maximum one course.
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M25C Calculus with Analytic Geometry III 5 Units
In-Class Hours: 87.5 lecture
Prerequisites: MATH M25B or placement as determined by the college's multiple measures assessment process
C-ID: MATH 230
Covers vectors in plane and in three-dimensional space, dot and cross products, spherical and cylindrical coordinates, vector-values functions, functions of several variables, partial derivatives, gradients, and Lagrange multipliers. Presents multiple integrals and their applications, vector calculus with line and surface integrals, Green's, Stokes', and Divergence Theorems and applications.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M31 Introduction to Linear Algebra 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: MATH M25B or MATH M25BH or equivalent course
C-ID: MATH 250, MATH 910S with MATH M35
Develops the techniques and theory needed to solve and classify systems of linear equations. Covers solution techniques including row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Presents vector space and matrix theory including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Involves selected applications of linear algebra.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M35 Applied Differential Equations 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: MATH M25B or MATH M25BH or equivalent course
C-ID: MATH 240, MATH 910S with MATH M31
Covers ordinary differential equations, equations with constant coefficients, variation of parameters, Laplace transforms, systems of linear equations, first order differential equations, series solutions, and existence and uniqueness of solutions. Emphasizes applications to physics and engineering, and provides an introduction to numerical solutions.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M37DS Probability & Statistics for Data Science 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: Introductory Statistics (MATH M15 or MATH M15H) or equivalent or placement as determined by the college's multiple measures assessment process
Advisories/Rec Prep: CS M10DS
Introduces statistical learning for data science. Emphasizes the following types of statistical models: Regression (Multiple Linear and Polynomial Regressions), Classification (Naive Bayes, Discriminant Analysis, Logistic Regression), Supervised Machine Learning (K-Nearest Neighbor, Tree models and their extensions), and Unsupervised Machine Learning (Principal Component Analysis, K-Means clustering). Covers applications of statistical programming for data science and the ethical use of data.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: MATH M15, MATH M15H, MATH M37DS, PSY M125 and SOC M125 combined: maximum credit, 1 course
CSU GE-Breadth: B4
IGETC: 2A

MATH M42DS Mathematics of Machine Learning for Data Science 3 Units
In-Class Hours: 52.5 lecture
Prerequisites: CS M10DS and MATH M25C and MATH M31 and MATH M15 OR MATH M15H
Advisories/Rec Prep: MATH M21 or MATH M35
Introduces machine learning algorithms with linear algebra for data science. Emphasizes the mathematical foundations of ensemble methods, discriminant analysis, deep learning, and neural networks as well as the ethical use of data. Covers applications of algebraic programming for data science.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: D2
Transfer Credit: CSU, UC
UC Credit Limitations: None
CSU GE-Breadth: B4
IGETC: 2A

MATH M122 Independent Study - Mathematics 0.5-3 Units
Formerly: MATH M22A
In-Class Hours: 26.25-157.5 laboratory
Prerequisites: Completion of one course in mathematics and instructor approval
Allows independent study for students who wish to extend their knowledge of a particular area of mathematics through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor. Interested students should contact a Mathematics instructor for assistance in developing a contract for learning about a specific topic.
Grade Modes: Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: None
Transfer Credit: CSU
UC Credit Limitations: None
CSU GE-Breadth: None
IGETC: None

MATH M725A Bridge to MATH M25A 0.5 Units
In-Class Hours: 8.75 lecture
Reviews the prerequisite materials necessary to be successful in MATH M25A. Includes rationalizing denominators, factoring, logarithms, piecewise functions, and trigonometric functions.
Grade Modes: Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: None
Transfer Credit: None

MATH M725B Bridge to MATH M25B 0.5 Units
In-Class Hours: 8.75 lecture
Reviews the prerequisite materials necessary to be successful in MATH M25B. Includes differentiation of algebraic and transcendental functions, integration, u-substitution, and the chain rule for differentiation.
Grade Modes: Pass/No Pass Grading
Degree Applicability: Applies to Associate Degree
AA/AS GE: None
Transfer Credit: None

NONCREDIT COURSES

MATH M901 Bridge to MATH M01 0 Units
Prepares student for the prerequisite materials necessary to be successful in Math M01. Includes fractions, decimals, exponents, and solving linear equations. Offered Pass/No Pass only (no letter grade possible).
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M903 Bridge to Intermediate Algebra (MATH M03) 0 Units
Prepares student for the prerequisite materials necessary to be successful in MATH M03. Includes linear equations, quadratic equations, factoring polynomials, quadratic, rational, exponential and logarithmic functions, and graphing. Offered Pass/No Pass only (no letter grade possible).
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M905 Bridge to College Algebra (MATH M05, MATH M07 or MATH M11) 0 Units
Formerly: MATH M707
Reviews the prerequisite material necessary to be successful in either MATH M05, MATH M07 or MATH M11. Includes factoring expressions; equations of lines; rational, radical and quadratic expressions and equations; and logarithms.
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M905S Support for College Algebra 0 Units
Provides review for topics necessary for success in College Algebra, including linear equations and inequalities, graphing, factoring, and rational expressions. Covers systems of linear equations, rational functions, rational exponents and radicals, complex numbers, quadratic equations, graphs of parabolas, functions, composition and inverse functions, exponential and logarithmic functions.
Catalog Notes: This course requires concurrent enrollment in MATH M05.
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M911S Support for College Algebra for Liberal Arts 0 Units
Corequisites: MATH M11 - College Algebra for Liberal Arts
Reviews topics necessary for success in College Algebra for Liberal Arts, including linear equations and inequalities, graphing, factoring, and rational expressions. Covers systems of linear equations, rational functions, rational exponents and radicals, complex numbers, quadratic equations, graphs of parabolas, functions, composition and inverse functions, exponential and logarithmic functions.
Catalog Notes: This course requires concurrent enrollment in MATH M11.
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M915 Bridge to Statistics (MATH M15) 0 Units
Reviews prerequisite material for successful completion of MATH M15. Reviews numbers and the number line, operations on numbers, sets and set notations, and equations and inequalities. Provides practice on graphing points and lines in two dimensions, reading tables and graphs, and approximating areas.
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

MATH M915S Support for Introductory Statistics 0 Units
Corequisites: MATH M15
Reviews the prerequisite material necessary to be successful in MATH M15. Covers numbers and the number line, operations on numbers, sets and set notations, equations and inequalities. Includes graphing points and lines in two dimensions, reading tables and graphs, and approximating areas.
Catalog Notes: Requires co-enrollment in MATH M15.
Grade Modes: Pass/No Pass Grading
Repeatable for Credit: Unlimited.
Degree Applicability: Noncredit course; not applicable for degree credit
AA/AS GE: None
Transfer Credit: None

- Mathematics, Associate in Science for Transfer (http://catalog.vcccd.edu/moorpark/programs-courses/mathematics/mathematics-ast/)

Dean

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