

Mathematics

MATH 020 4 Credits

BASIC MATHEMATICS II

Quarters: Fall, Winter

Reviews basic math up to algebra, equipping the student with everyday math skills, and preparing for success in later math courses.

Prerequisites: Pass MATH 10, or suitable placement score.

MATH 025 4 Credits

PREALGEBRA

Quarters: Fall, Winter, Spring

Extends the study of fractions, decimals, ratio/proportion/percent, measurement, and integers in an algebra setting. Covers algebraic expressions and equations, and introduces graphing. Bridges the gap between the concrete operations of arithmetic and the abstract concepts of algebra for students needing additional preparation in order to succeed in the algebra sequence. Prerequisites: Pass MATH 20, or suitable placement score.

MATH 060 5 Credits

BEGINNING ALGEBRA I

Quarters: Summer, Fall, Winter, Spring

No familiarity with algebra is assumed, presents Introductory Algebra, Covers the use of applications, formulas, and reasoning skills to write, manipulate, interpret, solve and graph linear equations and systems, critical thinking, and problem solving techniques. Includes solving linear equations and inequalities (systems of linear equations), introduction to graphing (graphing calculator). Develops skills to communicate results in oral and written form. Prerequisites: pass MATH 25 with a C- or better, or suitable placement score.

MATH 063 4 Credits

TECHNICAL MATH I

Quarters: Summer, Winter

This course is an applied Algebra course equivalent to MATH060, but designed to meet the needs of technical/vocational students. Topics include: Tools of Algebra, Formulas and Equations, Right Triangle and Quantitative Geometry. Some sections may have a low-cost or no-cost text book option. Prerequisites: Pass MATH 25 with a "C-" or better, or suitable placement score.

MATH 070 5 Credits

ALGEBRA REVIEW

Quarters: Summer, Fall, Winter, Spring

Emphasizes critical thinking skills and integration of technology to solve problems. Includes Introductory Algebra Review, This course emphasizes algebraic skills, as well as problem solving and graphical techniques with the use of a graphing utility. Modeling with Linear Functions, Quadratic Functions, Modeling with Quadratic Functions, Solving Quadratic Equations with Tables, Graphs and Factors.

Prerequisites: Complete MATH 060 with a C- or better, or suitable placement score.

MATH 093 4 Credits

TECHNICAL MATH II

Quarters: Fall, Spring

Introduces the study and application of linear, quadratic, power, exponential, and logarithmic expressions and functions. Working with real data, the mathematics of curve fitting will be developed making extensive use of the graphing calculator. This course concludes the developmental mathematics sequence. Prerequisites: Complete MATH 063 with a C- or better grade.

MATH 095 5 Credits

INTERMEDIATE ALGEBRA I

Quarters: Summer, Fall, Winter, Spring

Emphasizes critical thinking skills and integration of technology to solve problems. Includes linear equations and systems of equations, quadratic equations, inequalities, rational equations, exponential and logarithmic functions, modeling and graphs of nonlinear models.

Prerequisites: Complete MATH 070 with a C- grade or better. If enrolling based on placement score, then must co-requisite with MATH 103

MATH 103 1 Credit

INTRO TO GRAPHING CALCULATORS

Quarters: Summer, Fall, Winter, Spring

Introduces graphing technology with an emphasis on mathematical applications. Presents graphing calculator skills which are normally acquired in Math 70 and 95. Some sections may have a low-cost or no-cost text book option. Prerequisites: MATH 060.

MATH 105 4 Credits

MATH IN SOCIETY

Quarters: Summer

Math in Society is a rigorous mathematics course designed for students majoring in Liberal Arts and Humanities. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem solving techniques needed to be a productive contributing citizen in the 21st century. Some sections may have a no-cost text book option. Prerequisites: Complete MATH 095, or MATH 098 with a "C-" or better, or suitable placement score. If enrolling based on placement score, then the student must co-req with MATH 103.

MATH 105 Z 4 Credits

MATH IN SOCIETY

Quarters: Summer, Fall, Winter, Spring

An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology. Prerequisites: Complete MATH 095, or MATH 098 with a "C-" or better, or suitable placement score. If enrolling based on placement score, then the student must co-req with MATH 103.

MATH 111 Z 4 Credits

PRECALCULUS I: FUNCTIONS

Quarters: Summer, Fall, Winter, Spring

A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisites: Pass MATH 95 with a "C-" or better, or suitable placement score. Corequisites: If enrolling based on Placement score, then the student must co-req with MATH 103.

MATH 112 Z 4 Credits

PRECALCULUS II: TRIGONOMETRY

Quarters: Summer, Fall, Winter, Spring

A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisites: Pass MATH 111 with a "C-" or better, or suitable mathematics placement exam score.

MATH 113 4 Credits

ANALYSIS/GEOMETRY/PRECALCULUS

Quarters: Fall, Winter

Studies pre-calculus, including matrices, determinants, sequences, series, probability, and analytical geometry. Prerequisites: Pass MATH 111 with a "C-" or better, or suitable placement score.

MATH 211 4 Credits

FUNDAMENTALS OF ELEMENTARY MATH I

Quarters: Fall

Prepares the future elementary school teacher to teach math more effectively by giving them a deeper understanding of math. Covers problem solving, sets, numeration, whole numbers, and number theory. Prerequisites: Pass MATH 95 or MATH 96 with a "C-" or better, or suitable placement score.

MATH 212 4 Credits

FUNDAMENTALS OF ELEMENTARY MATH II

Quarters: Winter

Prepares the future elementary school teacher to teach math more effectively by giving them a deeper understanding of math. Covers fractions, decimals, integers, real numbers, statistics and probability. Prerequisites: Pass MATH 95 or MATH 96 with a "C-" or better, or suitable placement score.

MATH 213 4 Credits

FUNDAMENTALS OF ELEMENTARY MATH III

Quarters: Spring

Prepares the future elementary school teacher to teach math more effectively by giving them a deeper understanding of math, including geometry. Prerequisites: Pass MATH 95 or MATH 96 with a "C-" or better, or suitable placement score.

MATH 244 4 Credits

INTRO TO PROBABILITY AND STATISTIC II

Quarters: Spring

Continues the study of statistics, covering inferential statistics, hypothesis testing, rank correlation, signed rank test, population proportions, Kruskal-Wallis test, Chi-Square, and non-parametric methods. Prerequisites: Pass MATH 243 with a "C-" or better.

MATH 251 5 Credits

CALCULUS I

Quarters: Fall, Spring

This is the first of three courses in Calculus. This first course covers the fundamental concepts. Explores differential calculus of single real variable functions, including limits, continuity and differentiation, maxima and minima, curve sketching, applications, and anti-differentiation. Prerequisites: MATH 112 with a C- or higher, or suitable placement score; MATH 113 strongly recommended

MATH 252
CALCULUS II

5 Credits

Quarters: Winter, Spring

This is the second course of a three-course set. This course explores integral calculus of single, real variable functions, including definite and indefinite integrals, and techniques and applications of integration. It also covers the Fundamental Theorem of Calculus. Prerequisites: Pass MATH 251 with a C- or better.

MATH 253
CALCULUS III

5 Credits

Quarters: Spring

This is the third course in the set. This course covers parametric equations, differential equations, polar coordinates, sequences, series, and applications. Prerequisites: MATH 252 with a C- or higher

Medical Assistant

MA 112 (P/T) 4 Credits
INTRO TO MEDICAL ASSISTING

Quarters: Fall, Winter, Spring

Focuses on administrative skills performed by the Medical Assistant in the ambulatory care setting. The course provides an introduction to the medical assistant profession, examines medical law and ethics, principles of confidentiality and medical office function. Introduces the medical assisting students to learn practical applications of billing medical insurance both manually and electronically. The course is designed to instruct the student in all phases of the administrative medical assistant.

MA 115 (P/T) 3 Credits
PHLEBOTOMY

Quarters: Fall, Spring

Focus of this course is to demonstrate appropriate blood specimen procurement techniques using vacutainer, syringe, 'winged infusion'/ butterfly with syringe and capillary puncture methods. Other specifics of the blood specimen testing requirements, such as collection into the correct evacuated tube (additive), specimen handling procedures, and collection documentation are also covered; while assuring safe, confidential and professional environment for the patient, and as the phlebotomy technician. Practical experience which will include a minimum of 30 successful venipunctures and 10 successful capillary sticks. Required: Students must be admitted into the current MA cohort, or instructor consent. Prerequisites: MA 112, MA 117 with a grade of C+ or better. Co-requisite: MA 116

MA 116 (P/T) 4 Credits
INTRODUCTION TO MEDICATIONS

Quarters: Fall, Spring

Introduces the medical assisting students to pharmacology and medication administration, including review of basic mathematical equations and medications calculations. It is designed to give students the fundamentals of medications and the administration of medications essential to the practice of medical assisting. Prerequisites: MA 112, MA 117 and MATH 60 with a grade of C+ or better. Co-requisite: MA 115

MA 117 (P/T) 4 Credits
CLINICAL PROCEDURES

Quarters: Fall, Winter, Spring

This course is designed to instill a basic understanding of simple, common laboratory terminology and procedures used in a general medical office laboratory to aid the physician in the diagnosis of disease. Laboratory safety, the prevention of blood born disease transmission and scope of practice will be emphasized. Required: Instructor consent Enrolled in Medical Assistant program. Prerequisites: BIOL121 with a grade of C+ or better

MA 118 (P/T) 5 Credits
MEDICAL ASSISTANT EXTERNSHIP

Quarters: Summer, Fall, Winter, Spring

Under supervision within the ambulatory care setting, the student will apply both administrative and clinical knowledge and practices as attained within the Medical Assisting course curriculum. Required: Instructor consent. Student must complete and pass all required curriculum, pass criminal history back ground check and urine drug/alcohol screen in order to be placed in a practicum site. Some sections may have a no-cost text book option. Prerequisites: Completion of all MA course work, co-requisite MA 119.

MA 119 (P/T) 1 Credit
EXTERNSHIP SEMINAR

Quarters: Summer, Fall, Winter, Spring

Reflection on Medical Assistant's externship experiences. The student will discuss thoughts, experiences, and feelings about their work in the healthcare environment. This class will also serve as an opportunity to review information before the student undergoes testing for Certification. Co-requisite: MA 118 Some sections may have a no-cost text book option. Prerequisites: Completion of all MA coursework.

Medical Record

MREC 116 (P/T) 3 Credits

MEDICAL OFFICE PROCEDURES

Quarters: Fall, Winter

Covers work routines of a medical office assistant, including scheduling appointments, maintaining patient account records, preparing a variety of health insurance forms, and other medically related document preparation. Requires transcription of medical documents and letters. Lab included. Medical Terminology recommended.

MREC 210 (P/T) 3 Credits

MEDICAL BILLING I

Quarters: Summer, Fall, Winter, Spring

Covers the roles and compliance issues for an insurance billing specialist; claims processes and introductions to procedural and diagnostic coding; health care payers - the "Blues", Medicare, Medicaid and other programs. Recommended: Medical terminology background or concurrent enrollment in GSCI 161.

MREC 211 (P/T) 3 Credits

MEDICAL BILLING II

Quarters: Summer, Winter, Spring

Continues, with additional emphasis, addressing areas covered in MREC 210. Covers hospital billing for both inpatient and outpatient, electronic claims submission, EOB, and payments, maintaining accounts receivable and collections and the state insurance commissioner. Prerequisites: MREC 210.

Music - Performance

MUP 102 1 Credit

INTERMEDIATE CONCERT BAND

Quarters: Fall, Winter, Spring

Student musicians study and perform traditional and contemporary intermediate level band literature. Prerequisites: Previous experience in a band setting or ability to play an instrument at a level two.

MUP 114 1 Credit

SPECIAL ENSEMBLES

Quarters: Offered as needed

Offers applied instruction and participation in small performance groups (i.e. vocal solos, duets, trios, quartets, etc.) and small instrumental groups for the first year student. Offers experience in varied styles and numerous performances.

MUP 171 1 Credit

APPLIED PIANO

Quarters: Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor

MUP 173 1 Credit

APPLIED ORGAN

Quarters: Spring

Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor

MUP 174 1 Credit

APPLIED VOICE

Quarters: Summer, Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor

MUP 175 1 Credit

APPLIED VIOLIN

Quarters: Summer, Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor

- MUP 176 1 Credit
APPLIED VIOLA
Quarters: Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 177 1 Credit
APPLIED CELLO
Quarters: Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 178 1 Credit
APPLIED BASS
Quarters: Summer, Fall, Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 180 1 Credit
APPLIED GUITAR
Quarters: Summer, Fall, Winter, Spring
Offers private instruction in voice, piano, woodwinds, brasses, percussion, strings, guitar, and other instruments for the first year student. Lessons on most instruments can be arranged. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 181 1 Credit
APPLIED FLUTE
Quarters: Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 183 1 Credit
APPLIED CLARINET
Quarters: Fall, Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 184 1 Credit
APPLIED SAXOPHONE
Quarters: Fall, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 186 1 Credit
APPLIED TRUMPET
Quarters: Fall, Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 188 1 Credit
APPLIED TROMBONE
Quarters: Fall, Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor
- MUP 192 1 Credit
APPLIED MISC INSTRUMENTS
Quarters: Summer, Fall, Winter, Spring
Offers private instruction in voice, piano, organ, woodwinds, brass, percussion, strings, guitar, and other instruments for the first year student. Fee Required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Demonstrated ability, audition with instructor

Treasure Valley Community College

Course Index - M

MUP 202 CONCERT BAND Quarters: Fall, Winter, Spring Offers applied study and performance to anyone in the community with previous band experience, from high school age to adults. Studies and performs traditional and contemporary band literature. Rehearses evenings. Some sections may have a no-cost text book option.	1 Credit
MUP 205 JAZZ BAND Quarters: Fall, Winter, Spring Offers applied study and performance in an ensemble, by audition. Concentrates on big band jazz arrangements and jazz ensemble styles. Some sections may have a no-cost text book option.	2 Credits
MUP 214 SPECIAL ENSEMBLES Quarters: Offered as needed Offers applied study in small performance groups (i.e. vocal solos, duets, trios, quartets, etc.) and small instrumental groups for the second year student. Offers experience in varied styles of music chosen by students and instructor. Includes numerous community performances.	1 Credit
MUP 215 WIND ENSEMBLE Quarters: Offered as needed Offers applied study and performance in wind ensemble format. Includes study of traditional and contemporary concert band literature and at least one major concert per term.	1 Credit
MUP 221 TREASURE VALLEY CHORALE Quarters: Fall, Winter, Spring Offers rehearsal and performance of choral literature. Open to all singers. Some sections may have a no-cost text book option.	1 Credit
MUP 222 CONCERT CHOIR Quarters: Fall, Winter, Spring Performs choral literature of all styles and historical periods. No previous choral experience necessary. Some sections may have a no-cost text book option.	2 Credits
MUP 223 CHAMBER CHOIR Quarters: Offered as needed The ensemble will learn and perform vocal chamber music.	1 Credit
MUP 225 VOCAL JAZZ ENSEMBLE Quarters: Offered as needed Performs vocal jazz repertoire and other styles of music. Open by audition only.	1 Credit
MUP 242 SYMPHONY ORCHESTRA Quarters: Fall, Winter, Spring Offers applied study and performance for string and wind players interested in playing orchestral literature with the Treasure Valley Symphony. Rehearses evenings and is open to all interested musicians, including high school students. Some sections may have a no-cost text book option.	1 Credit
MUP 271 APPLIED PIANO Quarters: Fall, Winter, Spring Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor	1 Credit
MUP 273 APPLIED ORGAN Quarters: Offered as needed Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor	1 Credit

MUP 274 1 Credit

APPLIED VOICE

Quarters: Summer, Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 275 1 Credit

APPLIED VIOLIN

Quarters: Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 280 1 Credit

APPLIED GUITAR

Quarters: Summer, Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 281 1 Credit

APPLIED FLUTE

Quarters: Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 283 1 Credit

APPLIED CLARINET

Quarters: Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 284 1 Credit

APPLIED SAXOPHONE

Quarters: Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 286 1 Credit

APPLIED TRUMPET

Quarters: Fall, Winter

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 288 1 Credit

APPLIED TROMBONE

Quarters: Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

MUP 292 1 Credit

APPLIED MISC. INSTRUMENTS

Quarters: Summer, Fall, Winter, Spring

Offers private instruction in voice, piano, organ, woodwinds, brasses, percussion, strings, guitar, or other instrument for the second year student. Fee required. Some sections may have a low-cost or no-cost text book option. Prerequisites: Successful completion of three (3) consecutive terms of study in MUP 171-192 and/or demonstrated ability through audition with instructor

Music - Studio

MUS 101 3 Credits

MUSIC FUNDAMENTALS

Quarters: Fall, Winter, Spring

Acquaints students with the elements of music fundamentals. Includes note reading, rhythm skills, and basic theory. Some sections may have a low-cost text book option.

MUS 105 3 Credits

MUSIC APPRECIATION

Quarters: Fall

Examines the elements of music, classical music of the Western World, its historical creation, and involves listening to samples taken from select composers across the various historical periods and styles. Some sections may have a no-cost text book option.

MUS 206 3 Credits

INTRO TO THE HISTORY OF ROCK MUSIC

Quarters: Summer, Fall, Winter, Spring

Examines the elements of music, rock music, and its attendant sub-genres, its historical creation, and listening to samples taken from select artists across the different periods and styles. Some sections may have a low-cost text book option.