

2026-2027 Essential Learning Math Pathways – By Program[^]

updated 10/28/2026

Quantitative Reasoning Track - MATH 110

Art and Theater/Dance Programs

Art History (BA)
Art: K-12 Education (BA)
Studio Art (BA)
Art: Studio Art (BFA)
Dance (BFA, BA)
Graphic Design (BFA, AA)
Graphic Design: Visual Design (BFA)
Animtn, Film, Photo & Mot Dsn (BFA)
Theatre Arts: Design/Tech (BFA)
Theatre Arts: Acting/Directing (BFA)
Theatre Arts (General) (BA)
Theatre Arts: Music Theatre (BFA)

Health Sci and Kinesiology Programs

Nursing: RN to BSN (BSN)
Nursing: LPN to BSN (BSN)
Nursing (AAS)
Practical Nursing (TCT)
Kinesiology: Adapted Phys Educ (BA)
Kinesiology: K-12 Education (BA)

LLMC and General Programs

English: Secondary Education (BA)
English (BA)
English: Writing (BA)
Mass Comm: Med Strat and App (BA)
Spanish: Hispanic Studies (BA)
Spanish: Secondary Education (BA)
Spanish: Translation and Interpreting
Interdisciplinary Studies (BAS)
Liberal Arts: General Studies (BA)
Liberal Arts: Humanities (AA)
Liberal Arts: University Studies (AA)

Music Programs

Music Perf - Vocal Perf (BM)
Music: Liberal Arts (BA)
Music Education K-12 (BME)
Music: Commercial Music (BA)
Music with Elec Studies in Bus (BM)
Music Perf - Instrumental Perf (BM)
Music Perf - Keyboard Perf (BM)

SBS Programs

Criminal Justice (BA)
Criminal Justice (AAS)
Criminal Justice - POST Academy (BAS)
History: Secondary Education (BA)
History (BA)
Political Science (BA)
Psychology: Counseling Psych (BA)
Applied Anthropology and Geog (BA)
Psychology (BA)
Social Work (BA)
Sociology (BA)
Liberal Arts: Social Science (AA)

WCCC Programs

Agriculture Science (AS)
Dental Hygiene (AAS)
Digital Filmakg: Prod Design (AAS)
Digital Filmakg: Writing/Direct (AAS)
Liberal Arts: Early Childd Educ (AA)**
Information and Comm Tech (AAS*)
Wildland Fire Mngt (AAS*)
Emerg Med Tech -Paramedic (AAS*)

*MATH 107 or MATH 108 required
unless planning to go on to a BAS

Early Child Ed, Incl Non-Licensure (BA)

Courses

MATH 110L

+

MATH 110

Elem Ed Track - MATH 205

Elementary Education

Early Childhood Education: Early
Childhood Special Education

Courses

MATH 105

MATH 205

Algebra Track - MATH 113

Business Programs

Business Administration (BBA) with a concentration in:
Business Analytics, Business Economics,
Energy Mngt/Landman, Entrepreneurship,
Finance, Hospitality Management,
Human Resource Management,
International Business, Management, Marketing
Accounting: General Accounting (BS)
Accounting: Public Accounting (BS)
Business Administration (BAS)
Hospitality Management (AAS, BAS)
Computer Information Systems (BS, BAS)
Liberal Arts: Business Administration (AA)
Liberal Arts: Business Computer Inform Sys (AA)

Health Sciences Programs

Medical Laboratory Technician (AAS)
Nursing (BSN)
Radiologic Sciences (BSRS)
Respiratory Therapy (AAS)
Surgical Technology (AAS)

Kinesiology Programs

Fitness and Health Promotion (BS)
Exercise Science (BS)
Sport Management (BS)
Outdoor Recreation Industry Studies (BS)
Liberal Arts: Sport Management (AS)

STEM Programs (Bio, PES, Engr)

Biological Sciences: Biology (BS)
Biological Sciences: Ecology, Evolution and Organ Bio (BS)**
Biological Sciences: Secondary Education (BS)
Construction Management (BS)
Environmental Science and Technology (BS)**
Geosciences: Secondary Education
Liberal Arts: General Studies (BS)
Liberal Arts: Biology (AS)
Liberal Arts: Geology (AS)**

WCCC

Land Surveying and Geomatics (TCT)**
Pharmacy Technician (AAS)

Courses

MATC 092

MATH 113R

MATH 113

MATH 114

MATH 131

Calculus Track - MATH 151/135

Engineering Programs

Computer Science (BS)
Liberal Arts: Computer Science (Precalc) (AS)
Mechanical Engineering Technology (BS, AS)
Pre-Engineering (All CU partnership programs)

Math and PES Programs

Chemistry (BS)
Chemistry: Biochemistry (BS)
Geosciences: Environmental Geology (BS)
Geosciences: Geology (BS)
Mathematics (BS)
Mathematics: Actuarial Science (BS)
Mathematics: Applied Mathematics (BS)
Mathematics: Secondary Education (BS)
Mathematics: Statistics (BS)
Physics (BS)
Liberal Arts: Physics (AS)
Liberal Arts: Mathematics (AS)

Biology Programs

Biological Sciences: Cell, Molecular, Dev (BS)

Other Programs with MATH 151

as an option or elective

Biol Sci: Ecology, Evolution and Organ Bio (BS)
Environmental Science and Technology (BS)
Land Surveying and Geomatics (AAS, TCT)
Liberal Arts: Computer Science (rec elective)

Courses

MATH 119A

MATH 119B

MATH 119

MATH 151/MATH 135

[^] Be sure to verify the required Essential Learning course with DegreeWorks or the relevant program sheet for your major.

** Continuing to the 4-year degree or choosing certain program elective options may require a different pathway/mathematics course.