

MAJORS BY REQUIRED MATH

This document lists the beginning math sequence for each major. Some majors require additional math courses, and some allow different sequences. See MSU catalog for complete degree requirements. Students needing developmental math, who pursue these majors, must follow the M063 path on the flowchart. Please see the Math Flowchart for course prerequisites for all math courses. Students with questions should talk with their academic advisor or an advisor in the Academic Advising Center (406)-994-3532.

M 171Q Calculus I and M 172Q: Calculus II

Biological Engineering
 Biomedical Engineering
 Chemical Engineering
 Chemistry: Professional
 Civil Engineering
 Computer Engineering
 Computer Science: Interdisciplinary
 Computer Science: Professional
 Earth Sciences: Geology
 Earth Sciences: Paleontology
 Earth Sciences: Snow Science
 Electrical Engineering
 Environmental Engineering
 Financial Engineering
 Industrial & Management Systems Engineering
 Mathematics: Applied Mathematics
 Mathematics: Mathematics
 Mathematics: Statistics
 Mathematics: Teaching
 Mechanical Engineering
 Physics: Interdisciplinary
 Physics: Professional
 Physics: Teaching

M 165Q Calc for Tech I and M 166Q Calc for Tech II

Construction Engineering Technology (also M 165 & M 166)
 Mechanical Engineering Technology
 Computer Science: Arts (and STAT 216)

M 161Q Survey of Calculus

Chemistry: Teaching (and M 151Q)
 Secondary Ed: General Science Broadfield

M 161Q Survey of Calculus & STAT 216Q Statistics

Agricultural Business: All Options (and STAT 217)**
 Animal Science: Science*
 Biological Sciences: Conservation Biology and Ecology
 Biological Sciences: Fish & Wildlife Mgmt*
 Biological Sciences: Organismal Biology*
 Biological Sciences: Teaching*
 Biotechnology: Animal Systems*
 Biotechnology: Microbial Systems*
 Biotechnology: Plant Systems Option*
 Business: All Options
 Cell Biology & Neuroscience: Biomedical Science
 Chemistry: Biochemistry
 Economics** (and STAT 217)
 Environmental Sciences: Env. Sci Option*
 Environmental Sciences: Env. Biology Option*
 Environmental Sciences: Geospatial & Env. Analysis Opt*
 Environmental Sciences Land Rehabilitation Option*
 Environmental Sciences: Soil & Water Science
 Food & Nutrition: Nutrition Science
 Hlth & Human Perform: Exercise Sci
 Hlth & Human Perform: Kinesiology
 Microbiology: Environmental Health
 Microbiology: Environmental Micro Track (see advisor)
 Microbiology: Micro Option
 Microbiology: PreMed Track
 Plant Science: Plant Biology Option*
 Pre-Med Intake (not nursing or pharmacy)
 Pre-Veterinary Medicine

***STAT 216 or BIOB 318**

****M 161 or M 171**

M 151Q PreCalculus

Earth Sci: GIS & Planning Analysis (also STAT 216 & 217)
 Architecture/Environmental Design
 Tech. Ed: Industrial Tech (also M 165 or STAT 216)
 Technology Ed: Broadfield Teaching

STAT 216Q Statistics

Animal Science: Equine Science
 Animal Science: Livestock Mgmt. & Indust.
 Anthropology
 Earth Sciences: Geography (and STAT 217)
 Liberal Studies: Environmental Studies
 Microbiology: Medical Lab Science Option
 Nat Res & Rangeland Ecology - all options *
 Ranching Systems
 Sociology: All Options
 Sust Food & Bioenergy Sys: Sust. Livestock Production

M 121Q College Algebra & STAT 216Q Statistics

Environmental Horticulture: Horticulture Science*
 Hospitality Mgmt: All options
 Food & Nutrition: Dietetics
 Nursing
 Plant Science: Crop Science Option*
 SFBS: Agroecology Option*
 SFBS: Sustainable Crop Production*
 SFBS: Sustainable Food Systems

PHL 236Q - Logic

Philosophy: All Options

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M 121Q College Algebra

Environmental Horticulture: Landscape Design
Photonics and Laser Tech (Gallatin College)

M 121Q College Algebra & BIOB 318 Biometry

Agricultural Education: all options

M 132 Numbers & Operations and M 133Q Geo & Measurement

Elementary Education
Early Childhood Education, P-3 Option

M 105Q OR ANY Q CORE MATH COURSE - ONE COURSE ONLY (unless otherwise noted)

Students needing developmental math whose major requires M 105Q Contemporary Mathematics (formerly M 145Q), should take M 088 Mathematical Literacy in place of the M 063 - M 096 sequence. Please see the Math Flowchart for course prerequisites for all math courses. See the MSU catalog for complete degree requirements. Students with questions should talk with their academic advisor or an advisor in the Academic Advising Center (406)-994-3532.

American Studies

Art: Art Education K-12

Art: Art History

Art: Liberal Arts - Studio

Art: Graphic Design

Art: Studio Arts

Asian Studies

Associate of Arts/Associate of Science (Gallatin College)

Aviation (Gallatin College)

Community Health

Design Drafting Technology (Gallatin College)

Early Childhood Educ & Child Services: Child Development

English: Literature

English: Teaching

English: Writing

Health Enhancement K-12 Teaching

Human Development and Family Science

Human Development & Family Science Teaching

Film

History

History: Science-Env-Tech-Society Option (SETS)

History: Teaching

Integrated Lens-Based Media

Liberal Studies: Global & Multicultural

Liberal Studies: Quaternity (both options)

Modern Lang & Lit: French K-12 Teaching

Modern Lang & Lit: French and Francophone Studies

Modern Lang & Lit: German K-12 Teaching

Modern Lang & Lit: German Studies

Modern Lang & Lit: Hispanic Studies

Modern Lang & Lit: Latin American & Latino Studies

Modern Lang & Lit: Spanish K-12 Teaching

Music

Music Education

Music Technology

Political Science

Photography

Psychology

Secondary Ed: Social Studies Broadfield