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 M065 path on the flowchart. Students with questions should talk with their academic advisor or an advisor in the Academic Advising Center (406)-994-3532.

**MAJORS BY REQUIRED MATH**

**M 171Q Calculus I and M 172Q: Calculus II**  
Biological Engineering  
Chemical Engineering  
Chemistry: Professional  
Civil Engineering  
Civil Engineering: Bio-Resources Eng.  
Computer Engineering  
Computer Science: Interdisciplinary  
Computer Science: Professional  
Earth Sciences: Geology  
Earth Sciences: Paleontology  
Earth Sciences: Snow Science  
Electrical Engineering  
Financial Engineering  
Industrial & Management Systems Engineering  
Mathematics: Applied Mathematics  
Mathematics: Mathematics  
Mathematics: Statistics  
Mathematics: Teaching  
Mechanical Engineering  
Mechanical Engineering: 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: 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.  
Earth Sciences: Geography (and STAT 217)  
Liberal Studies: Environmental Studies  
Microbiology: Medical Lab Science Option  
Nat Res & Rangeland Ecology - all options *  
Nursing  
Sociology: All Options  
Sust Food & Bioenergy Sys: Sust. Livestock Production  

**M 121Q College Algebra & STAT 216Q Statistics**  
Environmental Horticulture: Horticulture Science*  
Food & Nutrition: Dietetics  
Hospitality Management: All options  
Plant Science: Crop Science Option*  
SFBS: Agroecology Option*  
SFBS: Sustainable Crop Production*  
SFBS: Sustainable Food Systems  

**PHL 236Q - Logic**  
Anthropology (and STAT 216)  
Philosophy: All Options
MAJORS BY REQUIRED MATH

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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 065 - M 096 sequence. Please 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)
BFA: Integrated Lens-Based Media
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
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 (M 105Q, STAT 216Q, or Level IV or V)
Secondary Ed: Social Studies Broadfield

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