

## 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 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.

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

Biological Engineering  
 Biological 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 \*  
 Nursing  
 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  
 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 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)

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