

Majors by Placement Level

Majors are listed by the math placement level necessary for that major. Students with placement scores below their major, can take prerequisite coursework through MSU to meet the placement requirement and to ensure that the student has the necessary math skills for their area of study. Students with questions should contact their academic advisor or the Academic Advising Center (406) 994-3532.

Level 5

ACT 27 - SAT 620 - New SAT 640 or 32
(03/01/2016 or later) - MPLEX 50

These majors require at least one of the following courses, all of which require Level 5 Placement: M 171Q, M 165Q, PHSX 220, PHSX 240, EMEC 103 (for ME), EELE 101

Biological Engineering
Chemical Engineering
Chemistry: Professional
Civil Engineering
Civil Engineering: Bio-Resources Eng.
Computer Engineering
Computer Science: All options
Earth Sciences: Geology
Earth Sciences: Paleontology
Earth Sciences: Snow Science
Environmental Sci: Soil & Water Sci
Electrical Engineering
Financial Engineering
Industrial & Mgmt Systems Engineering
Mathematics: All Options
Mechanical Engineering
Mechanical Engineering Tech.
Physics: All Options

Level 4 - Continued

ACT 25 - SAT 580 - New SAT 600 or 30
(03/01/2016 or later) - MPLEX 40

These majors require at least one of the following courses, all of which require Level 4 placement: ACTG 201, BMIS 211, CHMY 141, CSCI 127, EBIO 101, ECHM 100, EMEC 100, EMEC 103 (MET), PHSX 205

Earth Sci: GIS & Planning Analysis
Economics
Environmental Sci: Env. Science
Environmental Sci: Env. Biology
Env Sci: Geospatial & Env. Analysis
Env Sciences: Land Rehabilitation
Food & Nutrition: Nutrition Science
Hlth, Human Performance: Exercise Sci
Hlth, Human Performance: Kinesiology
Microbiology: All Options
Philosophy: All Options
Plant Science: Plant Biology
Pre-Med
Pre-Veterinary Medicine
Secondary Ed: Gen Sci Broadfield
Technology Education: All Options

Level 3 - Continued

ACT 23 - SAT 540 - New SAT 570 or 28.5
(03/01/2016 or later) - MPLEX 30

The majors require at least one of the following courses, all of which require Level 3 placement: CHMY 121IN, ECNS 101IS, ENSC 245IN, M 121Q, M 132, STAT 216Q

Plant Science: Crop Science
Photonics and Laser Tech (Gallatin College)
Sociology: All Options
Sustainable Food Systems: All Options

Level 3 - M 105Q ONLY

ACT 22 - SAT 520 - New SAT 550 or 27.5
(03/01/2016 or later) - MPLEX 30

Unless noted, these majors accept any Q Core class. Most students take M 105Q.

American Studies
Art: All Options
Asian Studies
Associate of Arts (Gallatin College)
Associate of Science (Gallatin College)
Aviation (Gallatin College)
Community Health
Early Child Ed & Child Services: Child Dev
English: All Options
Health Enhancement K-12 Teaching
Human Dev & Family Sci: All Options
Film
History: All Options
Lib Studies: Global & Multicultural
Liberal Studies: Quaternary (both options)
Mod Lang & Lit: French K-12 Teach.
Mod Lang & Lit: German K-12 Teach.
Mod Lang & Lit: German Studies
Mod Lang & Lit: Hispanic Studies
Mod Lang Lit: Latin Amer, Latino Studies
Mod Lang & Lit: Spanish K-12 Teach
Music: All Options
Political Science
Photography
Psychology* prefers M 105
Secondary Ed: Social Studies Broadfield

Level 4

ACT 25 - SAT 580 - New SAT 600 or 30
(03/01/2016 or later) - MPLEX 40

These majors require at least one of the following courses, all of which require Level 4 placement: ACTG 201, BMIS 211, CHMY 141, CSCI 127, EBIO 101, ECHM 100, EMEC 100, EMEC 103 (MET), PHSX 205

Ag Business: Agribusiness Mgmt
Ag Business: Farm & Ranch Mgmt
Animal Science: Science
Architecture/Environmental Design
Biological Sci: Conservation Bio
Biological Sci: Fish Wildlife Mgmt
Biological Sciences: Organismal Bio
Biological Sciences: Teaching
Biotechnology: All Options
Business: All Options
Cell Biology & Neuroscience
Chemistry: Biochemistry
Chemistry: Teaching
Construction Engineering Tech

Level 3 Majors

ACT 23 - SAT 540 - New SAT 570 or 28.5
(03/01/2016 or later) - MPLEX 30

These majors require at least one of the following courses, all of which require Level 3 placement: CHMY 121IN, ECNS 101IS, ENSC 245IN, M 121Q, M 132, STAT 216Q

Agricultural Education: All Options
Animal Science: Equine Science
Animal Sci: Livestock Mgmt. & Industry
Anthropology
Early Childhood ED, P-3 (M 132)
Earth Sciences: Geography
Elementary Education (M 132)
Environmental Horticulture: Hort Science
Env Horticulture: Landscape Des
Food & Nutrition: Dietetics
Hospitality Management: All Options
Liberal Studies: Env. Studies
Nat Resource Rangeland Eco: All Options
Nursing

Business, Health Professions, STEM Fields - Math Requirements Vary by Major - See MSU Catalog for Complete Degree Requirements

<i>Prerequisites</i>	<i>Courses</i>	<i>Notes</i>
Level 1	M 065 Pre-Algebra M 085 Pre-Algebra - Mastery Learning	Either course serves as the prerequisite for Level 2
<i>Prerequisites</i> Level 2 ACT 21, SAT 500 New SAT 530 or 26.5 MPLEX 20	<i>Courses</i> M 096 Survey of Algebra M 097 Survey of Algebra - Mastery Learning	<i>Notes</i> Either course is prerequisite for Level 3. To fulfill prereq for M 132 or STAT 216Q, student must earn a B or better in M 096 or M 097
<i>Prerequisites</i> Level 3 ACT 23, SAT 540 New SAT 570 or 28.5 MPLEX 30	<i>Courses</i> M 121 Q College Algebra M 132 Numbers & Ops for K-8 Teachers STAT 216Q Intro to Statistics <i>Other courses requiring Level 3 placement:</i> CHMY 121IN, ECNS 101IS, ENSC 245IN	<i>Notes</i> M 121Q is prerequisite for Level 4 M 132 is for ELED & P-3 Teaching only STAT 216Q is not a Level 4 prereq
<i>Prerequisites</i> Level 4 ACT: 25 SAT: 580 New SAT: 600 or 30 MPLEX 40	<i>Courses</i> M 151Q Precalculus M 161Q Survey of Calculus <i>Other courses requiring Level 4 placement:</i> ACTG 201, BIOH 185, BMIS 211, CHMY 141, CSCI 127, EBIO 100, EMEC 100, EMEC 103 (MET), PHSX 205	<i>Notes</i> M 151Q is the prerequisite for Level 5 M 161Q is not a prerequisite for Level 5
<i>Prerequisites</i> Level 5 ACT: 27, SAT: 620 New SAT: 640 or 32 MPLEX 50	<i>Courses</i> M 165Q Calculus for Technology I M 171Q Calculus I <i>Other courses requiring Level 5 placement:</i> EELE 101, PHSX 220, PHSX 240, EMEC 103 (ME)	<i>Notes</i> Prerequisite for M 166Q Prerequisite for M 172

Non-Business, Non-Stem Track - Math Requirements Vary by Major - See MSU Catalog for Complete Degree Requirements

Level 1	M 088 Mathematical Literacy	Prerequisite for M 105Q
Level 3 ACT: 22, SAT 520 New SAT: 550 or 27.5 MPLEX 30	M 105Q Contemporary Mathematics	Can be a prerequisite for STAT 216Q, or PHL 236Q
Level 4 ACT: 25, SAT: 580 New SAT: 600 or 30 Any Q Core MPLEX 40	PHL 236Q Introduction to Logic	Not a prerequisite for any other math course

Students should confirm the math course(s) required for their degree in the MSU Catalog or in their DegreeWorks profile. Please be sure to talk to your academic advisor about any questions you have. Students can also contact the Academic Advising Center at 406-994-3532.