

# Which MCC Math Course Should I Take? 2017-2018 Academic Year

## School: Science, Technology, Engineering and Math (STEM)

Placement Level \*1

Level 1 →

Level 2 or  
Level 3 →

Level 4 →

Level 5 →

Level 6 →

Level 8 →

Level 9 →

Level 10 →

TRS 092\*2  
Basic Math (5)

TRS 094\*2  
Pre-Algebra (5)

MTH 098\*2  
Elem. Algebra (4)

Grade of C-

Grade of A Required

MTH 099\*2  
(co-requisite with MTH 104)  
Elem. Algebra Lab (1)

MTH 104  
Intermediate Algebra (4)

MTH 165  
College Algebra (3)

MTH 164  
Intro. to Trig (1)

MTH 160  
Statistics I (3)

MTH 161  
Statistics II (3)

MTH 175  
Precalculus (4)

MTH 210  
Calculus I (4)

MTH 220  
Discrete Math (3)

MTH 211  
Calculus II (4)

MTH 225  
Diff. Equations (4)

MTH 212  
Calculus III (4)

MTH 230  
Linear Algebra (4)

MTH 220 combined with MTH 211

### Possible First Course – Depends on Major; Consult an Advisor:

- LEVEL 1 → TRS 092\*2
- LEVEL 2 or 3 → TRS 094\*2
- LEVEL 4 → MTH 098\*2
- LEVEL 5 → MTH 099\*2 & 104
- LEVEL 6 → MTH 104
- LEVEL 8 → MTH 160 or 164 or 165
- LEVEL 9 → MTH 160 or 175
- LEVEL 10 → MTH 160 or 210

- \*1 Student may take any course at placement level or lower level.
- \*2 Imputed Credit Course. Does not count towards a college degree.
- \*3 Unless otherwise specified, a grade of C or higher is required to progress on to the next math course.

See the next page for math requirements for each program in this school.

**School: Science, Technology, Engineering and Math (STEM)  
2017-2018 Academic Year - Math Requirements for Programs**

Code	Degree	Program	Math Requirements in Program	Math Requirement for Program Entrance
ASC1	Cert	Advanced Studies	None	550 Math or Verbal SAT
AG02	Cert	Agriculture and Food Studies	None	None
LSB1	AS	Biology	175/up	Students who plan to complete this program in 2 years should have a math placement at the Level 9 or MTH 165 at MCC with a grade of "C" or higher or permission of the MCC Biology Dept.
BT01	AAS	Biotechnology	6 credits 160/165/up	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
LSC1	AS	Chemistry	210,211	Regents Algebra 2/Trigonometry (exam score $\geq$ 83) OR Level 9 Math at MCC OR MTH 165 (grade of C or better).
EN01	AS	Engineering Science	210,211,212,225	Precalculus in high school with an 85 or MTH 175 at MCC
GG01	AS	Geography	165/up	MCC Level 8 Mathematics placement
GS01	AS	Geology	210,(211/160)	Intermediate Algebra (MTH 104 at MCC) or MCC Level 8 Mathematics placement
GG02	Cert	Geospatial Info. Science & Tech.	None	None
LA04	AS	Liberal Arts & Sciences - General Studies	150/up (rec. 160/165/up for STEM)	Algebra (1 year high school math or placement into Level 4 Math at MCC)
LA12	AS	Lib. Arts & Sci. - Gen. Studies - Pre-Chiropractic	210/up	Precalculus in high school with an 83 or MTH 175 at MCC
LS01	AS	Liberal Arts & Sciences - Science	8 credits 210/up	At least 3 years of high school mathematics, specifically, algebra, geometry, intermediate algebra, and trigonometry
LS04	AS	Lib. Arts & Sci. - Sci. - Enviro. Sci.	160,(165,175)/(175,210)/(210,211)*	Intermediate Algebra with Trigonometry or (MTH 104 at MCC)
LS05	AS	Lib. Arts & Sci. - Sci. - Geosciences	210,211	Precalculus in high school with an 83 or MTH 175 at MCC
LS07	AS	Lib. Arts & Sci. - Sci. - Pre-Forestry	210,211 (212 for option B)	Precalculus in high school with an 83 or MTH 175 at MCC
LS08	AS	Lib. Arts & Sci. - Sci. - Pre-Pharmacy	14 credits 165/up**	Intermediate Algebra with Trigonometry or MTH 104 at MCC
MC02	AS	Mathematics	210,211,212,230,(161/220/225)	MTH 175 with a grade of C or higher, or high school Precalculus with a grade of B (83) or higher, or MCC Level 10 Mathematics placement
MC01	Cert	Mathematics	210,211,212,(161/220/225/230), (220/230)	MTH 175 with a grade of C or higher, or high school Precalculus with a grade of B (83) or higher, or MCC Level 10 Mathematics placement
PY01	AS	Physics	210,211,212,225,230	HS Precalculus (exam score $\geq$ 83) or Level 10 Math at MCC or MTH 175 (grade of C or better)
SC01	Cert	Sustainability	None	Algebra (1 year high school math or placement into Level 4 Math at MCC)
SC02	AS	Sustainability Studies - Science Track	165/up (+NS&M-175 recommended)	Level 8 Math or completion of MTH 104 with a C or higher or Algebra II with Trigonometry with a C or higher.
SC02	AS	Sustainability Studies - Sustainability Studies Track	160,165/up (+NS&M)	Level 8 Math or completion of MTH 104 with a C or higher or Algebra II with Trigonometry with a C or higher.

**Key:** NS&M means any 3-4 credit natural sciences or mathematics elective. A comma means "and". A slash means "or". So 160,165/up means MTH 160 and MTH 165 (or higher). \*Ordinarily, completion of MTH 211 is expected. \*\*Completion of MTH 211 is required

All information subject to change/correction.

Revised 9-14-17