

Which MCC Math Course Should I Take? 2016-2017 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 →

MTH 220 combined with MTH 211

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 135
Intro. Tech Math (4)

MTH 104
Intermediate Algebra (4)

MTH 140
Tech. Math I (3)

MTH 165
College Algebra (3)

MTH 164
Intro. to Trig (1)

MTH 160
Statistics I (3)

MTH 141
Tech. Math II (3)

MTH 161
Statistics II (3)

MTH 172
Tech. Discrete (3)

MTH 175
Precalculus (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)

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 or 135
- LEVEL 8 → MTH 140 or 160 or 164 or 165
- LEVEL 9 → MTH 160 or 172 or 175
- LEVEL 10 → MTH 160 or 172 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)
2016-2017 Academic Year - Math Requirements for Programs

Code	Degree	Program	Math Requirements in Program	Math Requirement for Program Entrance
AG02	Cert	Agriculture and Food Studies	None	None
HV01	AAS	Air Cond./Heat/Vent Technology	(135/104),140/(164,165)/175/210/up	Elementary Algebra with Geometry (or MTH 098 at MCC)
AI01	AAS	Applied Integrated Technology	(140,141)/(160,164,165)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
AT01	AAS	Apprentice – Automotive	135/104/(164,165)/175/up	Elementary Algebra with Geometry (or MTH 098 currently registered in or higher). Two years of high school Regents algebra are recommended.
PM03	AAS	Apprentice – Machine Trades	104/up	
AT02	Cert	Automotive Technology	135/104/(164,165)/175/up	Elementary Algebra with Geometry (or MTH 098 currently registered in or higher). Two years of high school Regents algebra are recommended.
LSB1	AS	Biology	175/up	Students who plan to complete this program in two 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 Department.
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 >= 83) OR Level 9 Math at MCC OR MTH 165 (grade of C or better).
MT02	Cert	Computer Aided Design/Drafting	104	Elementary Algebra with Geometry or MTH 098 at MCC
CS01	AS	Computer Science	210,211,220,160/212,230/ENG 251	Precalculus in high school with an 85 or MTH 175 at MCC
CP01	AAS	Computer Systems Technology	3 of: 160/165/172/175/210/211/220	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
CT01	AAS	Construction Technology	140/(164,165)/175/210/211/212/225 (+NS&M)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
CY03	Cert	Cybersecurity Certificate	None	Algebra (1 yr. high school math or placement into level 4 math at MCC)
ET01	AAS	Elect. Eng. Tech. – Electronics	(140,141,175)/(165,175,210)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
ETX1	Cert	Electronics Technology	140/(164,165)/175/210/up	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
EN01	AS	Engineering Science	210,211,212,225	Precalculus in high school with an 85 or MTH 175 at MCC
GS01	AS	Geology	210,(211/160)	Intermediate Algebra (MTH 104 at MCC) or Level 8 math placement
HV02	Cert	Heating, Ventilating, A/C	104/135/140/141/165/175/up	Elementary Algebra with Geometry (or MTH 098 at MCC)
IN01	AAS	Information & Network Tech.	140/165/up	Algebra (1 year high school math or placement into Level 5 at MCC)
IT01	AS	Information Technology	160,172	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
LA04	AS	Lib. Arts & Sci. - General Studies	150/up (rec.160/165/up for STEM)	Algebra (1 yr. high school math or placement into Level 4 Math at MCC)
LA12	AS	Lib. Arts & Sci. - General Studies - Pre-Chiropractic	210/up	Precalculus in high school with an 83 or MTH 175 at MCC
LS01	AS	Lib. Arts & Sci. - Science	8 credits 210/up	At least three years of high school mathematics, specifically, algebra, geometry, intermediate algebra, and trigonometry
LS04	AS	Lib. Arts & Sci. - Science -Environmental Science	160,(165,175)/(175,210)/(210,211)*	Intermediate Algebra with Trigonometry or (MTH 104 at MCC)
LS05	AS	Lib. Arts & Sci. - Science -Geosciences	210,211	Precalculus in high school with an 83 or MTH 175 at MCC
LS07	AS	Lib. Arts & Sci. - Science -Forestry	210,211 (212 for option B)	Precalculus in high school with an 83 or MTH 175 at MCC
LS08	AS	Lib. Arts & Sci. – Science -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)	Precalculus in high school with an 83 or better or MTH 175 at MCC
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
MT01	AAS	Mechanical Technology	(140,141)/(165/up,175/up)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
OT01	AAS	Optical Systems Technology	(140,141,175)/(165,175,210/up)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
OT02	Cert	Optical Systems Technology	140/up (not 150/155/156)	Intermediate Algebra with Trigonometry (or MTH 104 at MCC)
PY01	AS	Physics	210,211,212,225,230	HS Precalculus (exam score >= 83) or Level 10 Math at MCC or MTH 175 (grade of C or better)
PM01	AAS	Precision Machining	104/140/141/160/up (+NS&M)	Elementary Algebra with Geometry (or MTH 098 at MCC). (It is recommended that students have a minimum of 2 years of high school math or place at MTH 104 or higher prior to enrolling in this program.)
PM02	Cert	Precision Machining	None	Elementary Algebra with Geometry (or MTH 098 at MCC)
PM04	Cert	Prec. Mach.-Optical Fabrication	None	Algebra (1 yr. high school math or placement into Level 4 Math at MCC)
ST02	Cert	Solar Thermal Technology	135	Elementary Algebra with Geometry (or MTH 098 at MCC)
SC01	Cert	Sustainability	None	Algebra (1 yr. 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 - Social Science 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 12-1-16