

MATHEMATICS MAJOR COURSES
PREREQUISITES AND FREQUENCY OF OFFERING

(Numbers in parenthesis, for instance as in MATH 121(111), refer to former course numbers)

LAST UPDATED 10/29/2014

MATH 024 Elementary Algebra Topics – Prereq: CLM placement test score 20 to 64. (Offered every semester and summer.)

MATH 110 Precalculus – Prereq: MATH 024 or CLM placement test score 65 to 94. (Offered every semester and summer.)

MATH 121 Calculus I – Prereq: MATH 110(105), or CLM placement test score 95 to 120. (Offered every semester and summer.)

MATH 122 Calculus II – Prereq: MATH 121(111). (Offered every semester and summer.)

MATH 205 Mathematical Structures – Prereq: MATH 110(105), or MATH 121, or CLM placement test score 95 to 120. (Offered every Spring)

MATH 225 Multivariable Calculus – Prereq: MATH 122 or MATH 223. (Offered every semester.)

MATH 237 Discrete Structures – Prereq: MATH 110(105), or MATH 121, or CLM placement test score 95 to 120. (Offered every semester.)

MATH 245 Numerical Analysis – Prereq: MATH 122(112), and CMPS 147. (Offered occasionally).

MATH 253 Probability – Pre-or-Co-req: MATH 122(112). (Offered every Spring)

MATH 262 Linear Algebra – Prereq: {MATH 121(111) and MATH 237(217) and CRWT 102} or {MATH 121(111) and MATH 205 and CRWT 102} . (Offered every semester)

MATH 282 Number Theory – Prereq: {MATH 121(111) and MATH 237(217)} or {MATH 121(111) and MATH 205}. (Offered every Spring)

MATH 305 Differential Equations – Prereq: MATH 122(112). (Offered every Fall)

MATH 321 Geometry – Prereq: MATH 262(231). (Offered every Spring)

MATH 353 Statistics – Prereq: MATH 253(251). (Offered every Fall)

MATH339 Complex Variables – Prereq: MATH 225. (Offered once every three years in the Spring, beginning Spring 2015)

MATH 360 Stochastic Calculus for Finance – Prereq: {MATH 121(111) and MATH 253} or {MATH 121(111) and BADM 225}. (Offered every other Fall, beginning Fall 2012)

MATH 390 Advanced Topics (or MATH 290 Topics) – Prerequisite varies with topic. (Offered every Spring, with occasional exceptions).

MATH 416 Introduction to Analysis – Prereq: {MATH 225 and MATH 237(217)} or {MATH 225 and MATH 205}. (Offered every Fall)

MATH 432 Abstract Algebra – Prereq: MATH 262(231). (Offered every Spring)

MATH 441 History of Mathematics – Pre-or-Co-req MATH 416(311) and Prereq MATH 432 (332).
[For students who matriculated before Fall 2006: The prereq. of MATH 432 is replaced by pre-or-co-req. MATH 432, or prereq. SMTH 231 (not the new MATH 262), and there is no pre-or-co-req. of Math 224]
(Offered every fall)

Math Major Requirements offered outside of the mathematics convening group

PHYS 114 Physics I with Calculus (lecture and lab) – Prereq: None. (Offered every Fall)

CMPS 147 Computer Science I - Prereq: None. (Offered every semester)

Note: Please refer to the course catalogue online for prerequisites of CRWT 102.