**MATHEMATICS COURSE OFFERINGS**

**Prerequisites Tree Diagram**

(Revised 02/24/2024) Disclaimer: See the RCNJ Catalog for the most recent possible updates

 024 Elementary Algebra Topics

 (not a requirement for the major)

 PHYS 114 Physics I with Calculus and lab

110 Precalculus

 (not a requirement of the major)

CRWT 102 Critical Reading & Writing II CMPS 130 Sci Prob. Sol. With Python

121 Calculus I \* 237 Discrete Structures (or CMPS 147 Computer Science I)

 (or 205 Mathematical Structures)

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262 Linear Algebra 282 Number Theory 122 Calculus II 370 Applied Statistics 240 Cryptography

432 Abstract Algebra 321 Geometry 225 Multivariable Calc. 245 Numerical Analysis 253 Probability 305 Differential Equations

 339 Complex Variables 416 Intro to Analysis 353 Statistics 360 Stochastic Calc. for Finance

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441 History of Mathematics

Note: The symbol \* means the arrow indicates a “Pre or Co-Requisite”. (Regular arrow indicates a “Prerequisite”)

Note: All courses listed above with the exception of PHYS 114, CMPS 147, CMPS 130 and CRWT 102, are mathematics courses and

 have the course ID beginning with MATH, for instance, MATH 121.

Note: See the course catalogue for the prerequisites for CRWT 102.