MATHEMATICAL PREPARATION – MScPH ADMISSIONS

- Adequate mathematical preparation for the MSc in Public Health program is often evaluated by assuring the applicant has successfully completed 6 credits of college-level calculus (MATH 140 and Math 141). For Quebec applicants, CEGEP calculus is the equivalent of university McGill

MATH 203 - Principles of Statistics 1 (3 credits)
https://www.mcgill.ca/study/2023-2024/courses/math-203

Examples of statistical data and the use of graphical means to summarize the data. Basic distributions arising in the natural and behavioural sciences. The logical meaning of a test of significance and a confidence interval. Tests of significance and confidence intervals in the one and two sample setting (means, variances and proportions).

MATH 204 - Principles of Statistics 2 (3 credits)
https://www.mcgill.ca/study/2023-2024/courses/math-204
The concept of degrees of freedom and the analysis of variability. Planning of experiments. Experimental designs. Polynomial and multiple regressions. Statistical computer packages (no previous computing experience is needed). General statistical procedures requiring few assumptions about the probability model.

MATH 324 Statistics 3 Credits https://www.mcgill.ca/study/2023-2024/courses/math-324
Mathematics & Statistics (Sci): Sampling distributions, point and interval estimation, hypothesis testing,