MATHEMATICAL SCIENCES (MTHS)

The courses listed on this page are exclusive to the LPS BAAS degree (https://lpsonline.sas.upenn.edu/features/what-bachelor-applied-arts-and-sciences-degree) and LPS Online certificates (https://lpsonline.sas.upenn.edu/academics/certificates).

**MTHS 100 Mathematical Foundations for Data Analytics**
This course provides an introduction to key topics that form the foundation for further study in mathematics, data analytics, and statistics. Topics covered include finite math, logic, algebra (including basics of matrix algebra) functions, probability, and a conceptual introduction to calculus. Through this course, students will develop both an understanding of the concept the ability to apply the concepts and techniques to analysis and problem-solving. Course format includes readings, lectures and demonstrations, and extensive hands-on practice with instructor and peer feedback.

Activity: Online Course
1.0 Course Unit

**MTHS 200 Maths All Around**
Activity: Online Course
1.0 Course Unit

**MTHS 220 Intro Applied Stats**
Activity: Online Course
1.0 Course Unit