The Discrete Mathematics course is designed to strengthen the students' skill in understanding and solving problems involving the chance of success and failure, probability, and in analyzing statistical data. Topics include fundamental counting principles, permutations, combinations, probabilities of independent, dependent, and mutually exclusive events. The meaning and use of conditional probabilities is investigated. Statistical methods are dealt with from the basic computation of mean, median and mode through the development of binomial and normal distributions. In addition to measures of center tendencies, the course also involves the study of measures of dispersion and correlation coefficients. The course is one semester. The prerequisites for this course are Algebra 1, Geometry, and Algebra 2.

