

WHAT CLASSES DO I NEED TO TAKE IN HIGH SCHOOL?

Before being able to declare Physics as your major here at Andrews University, you will want to take the following classes while you are still in high school. They will help you build a solid foundation for the principles of physics.

ALGEBRA II -

An extension of Algebra I with exponential functions and logarithms, trigonometric functions and complex numbers, identities, binomial expansion, matrices and determinants, and considerable exposure to graphing. The student should have access to a graphing calculator for this sequential quarter study. Prerequisite: Algebra I and Geometry, minimum grades of C.

PRE-CALCULUS -

A thorough study of advanced mathematics including coordinate geometry, inequalities, functions, trigonometry, exponents and logarithms. Graphing, theory of equations, vectors, complex numbers, sequences and series, probability, polynomials, parametric equations of curves, polar equations and limits of functions are also studied. Prerequisite: Geometry and Algebra II with minimum grades of B.

PHYSICS -

A sequential quarter study of matter and energy and their interactions. Topics include mechanics, heat, light, sound, magnetism, electronics, and nuclear physics. Use of a calculator is required. Prerequisites: Algebra I and Geometry with minimum grades of B. Algebra II recommended.

WHEN YOU ARRIVE AT ANDREWS, YOU WILL THEN NEED TO TAKE CALCULUS.
