

Part I: Course Information Overview

Course Title: Pre-Calculus	Content Area: Math	Grade Level: 11-12
Course Description: Pre-Calculus is a course with college-level algebra and trigonometry that is designed to prepare students for the study of calculus by exploring modeling and manipulating and solving advanced functions.		
Aligned Core Resources: CME Project: Pre-Calculus textbook (Pearson) Khan Academy		
Unit Overview and Additional Courses Information: <i>Big Ideas Addressed in the Course</i> Unit Overview 1. Trigonometric Functions 2. Complex Numbers & Trigonometry 3. Analysis of Functions 4. Combinatorics 5. Functions & Tables 6. Analytic Geometry 7. Probability & Statistics 8. Ideas of Calculus Additional Course Overview Trigonometry & Complex Numbers Combinatorics, Probability, & Statistics Analytical Geometry Functions, Tables, and Rates of Change	Core Values (Habits of Mind/Transferable Skills) Addressed in the Course: <i>How does the course reflect the core values?</i> Use Core Values (Respect, Responsibility, Resilience) ● Respect ○ Listening with Understanding and Empathy- Devoting mental energy to another person's thoughts and ideas and making an effort to perceive another's point of view and emotions ● Responsibility ○ Striving for Accuracy- Always doing your best work, setting high standards, checking and double checking, and finding ways to improve constantly. ● Resilience ○ Persisting - Persevering in task through to completion, remaining focused, looking for ways to reach your goal when stuck, and not giving up	