

Rice University – Project GRAD
Curriculum Matrix for Advanced Summer Mathematics Academy – 2003

	Number & Operations	Patterns, Functions, & Algebra	Measurement	Data Analysis, Statistics, & Probability	Processes
Foundations for Algebra II	<ul style="list-style-type: none"> • Integer Concepts & Operations • Ratio & Proportion • Evaluating Functions 	<ul style="list-style-type: none"> • Linear Functions • Absolute Value Functions • Quadratic Functions • Exponential Functions 	<ul style="list-style-type: none"> • Length • Perimeter • Area • Volume 	<ul style="list-style-type: none"> • Statistics • Curve Fitting • Mathematical Modeling 	Problem solving Reasoning & proof Communicating Connecting
Foundations for Pre-Calculus	<ul style="list-style-type: none"> • Evaluating Functions 	<ul style="list-style-type: none"> • Absolute Value Functions • Radical Functions • Polynomial Functions • Logarithmic Functions • Exponential Functions • Piece-Wise Functions • Parametric Equations 	<ul style="list-style-type: none"> • Right Triangle Trigonometry 	<ul style="list-style-type: none"> • Statistics • Curve Fitting • Mathematical Modeling 	Representing <hr style="width: 10%; margin: 0 auto;"/> Assessment