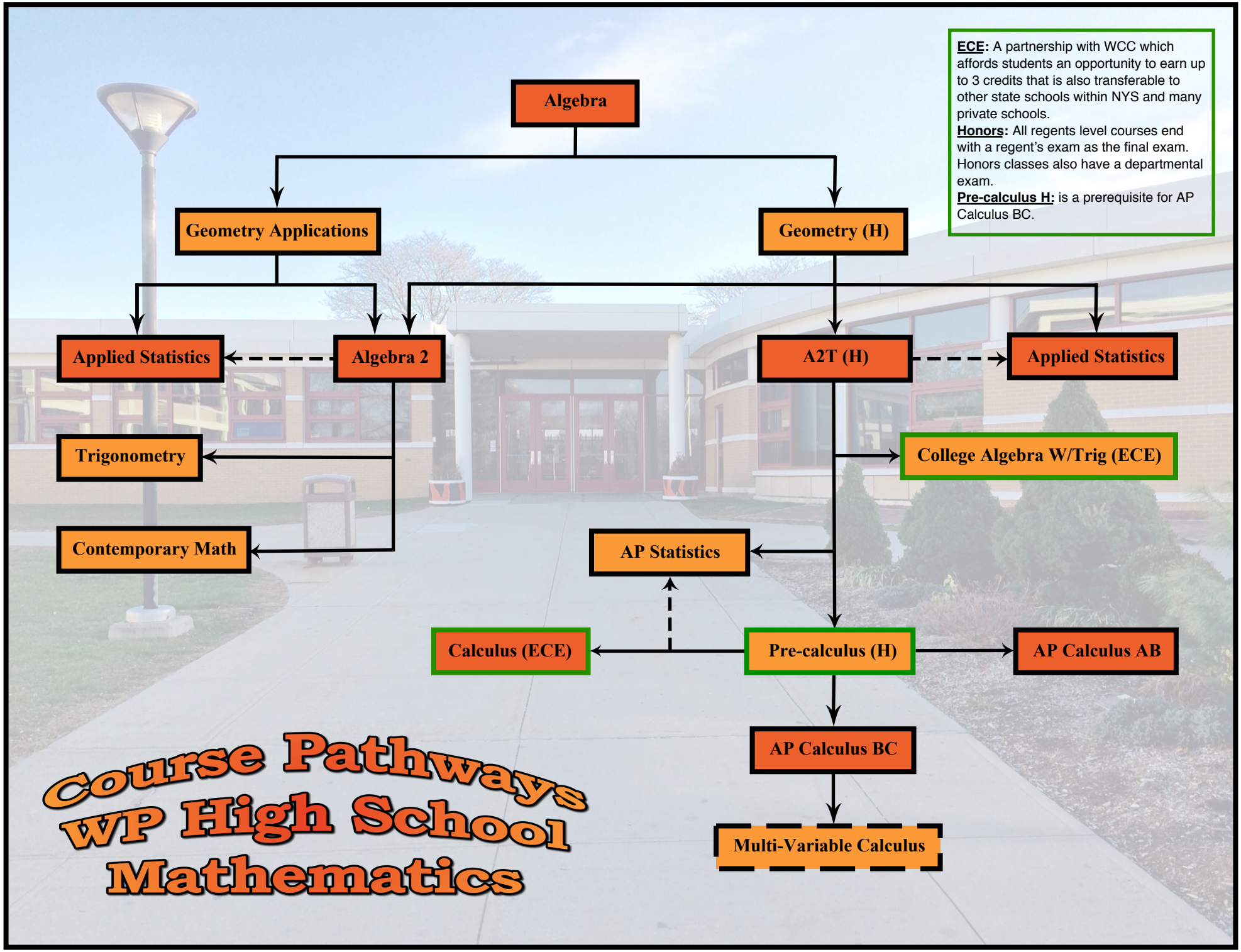
Algebra
Geometry Applications
Geometry (H)
Applied Statistics
Algebra 2
A2T (H)
Applied Statistics
Trigonometry
College Algebra W/Trig (ECE)
Contemporary Math
AP Statistics
Calculus (ECE)
Pre-calculus (H)
AP Calculus AB
AP Calculus BC
Multi-Variable Calculus
ECE: A partnership with WCC which affords students an opportunity to earn up to 3 credits that is also transferable to other state schools within NYS and many private schools.
Honors: All regents level courses end with a regent's exam as the final exam. Honors classes also have a departmental exam.
Pre-calculus H: is a prerequisite for AP Calculus BC.
Course Pathways
WP High School
Mathematics

ALGEBRA Full year - 1 credit, Grade 9
Topics include the algebraic concepts of writing, solving and graphing linear and quadratic equations, probability and statistics.

GEOMETRY Full year - 1 credit, Grades 9,10
Topics include analyzing geometric shapes and relationships, informal and formal proof, transformational geometry and coordinate geometry.

GEOMETRY APPLICATIONS Full year - 1 credit, Grades 10,11
Topics of study include geometric relationships, making and investigating conjectures, transformations and coordinate geometry.

ALGEBRA 2 TRIGONOMETRY Full year - 1 credit, Grades 10,11
Topics include the study of rational and radical expressions, quadratic, exponential, logarithmic and trigonometric functions, imaginary numbers, statistics, and probability etc.

ALGEBRA 2 Full year - 1 credit, Grades 11,12
Topics include the study of rational and radical expressions, imaginary numbers, quadratic, exponential and logarithmic functions.

TRIGONOMETRY Full year - 1 credit, Grade 12
Topics include the study of trigonometric functions, statistics, probability, sequences and series, and preparation for the Algebra 2 Trigonometry Regents Exam.

ALGEBRA 2 TRIGONOMETRY APPLICATIONS Full year - 1credit, Grades 11,12
This course will focus on topics from the Advanced Regents Diploma. Topics of study include functions (linear, quadratic, exponential, logarithmic, and trigonometric).

CONTEMPORARY MATHEMATICS ACE Full year - 1 credit, Grade 12
Topics include problem-solving, personal finance, statistics and probability. Written projects are required in a variety of mathematical applications such as a stock market portfolio.

COLLEGE ALGEBRA WITH TRIGONOMETRY ACE Full year - 1 credit, Grades 11,12
This course focuses on topics in algebra and trigonometry including linear, quadratic, exponential, logarithmic, trigonometric, and circular functions, complex numbers etc.

PRE-CALCULUS ACE Full year - 1 credit, Grades 11,12
This course offers problem solving beyond quadratics with emphasis on the analytical geometry leading to the calculus. Topics of study include polynomial functions, conic etc.

PRE-CALCULUS HONORS Full year - 1 credit, Grades 11,12
This course continues the study of the pre-calculus topics from A2T Honors and begins the study of Advanced Placement Calculus as outlined by the College Board.

CALCULUS ACE Full year - 1 credit, Grade 12
This course includes topics in differential and integral calculus. The final exam is a departmental exam.

AP CALCULUS AB Full year - 1 credit, Grade 12
This Advanced Placement course completes the study of the AB level of Advanced Placement Calculus.

AP CALCULUS BC Full year - 1 credit, Grade 12
This Advanced Placement course completes the study of the BC level of Advanced Placement Calculus.

APPLIED STATISTICS Full year - 1 credit, Grades 11,12
This course will focus on topics in statistics with an emphasis on their practical applications in social media, sports, medicine, research, and practically any field etc.

AP STATISTICS Full year - 1 credit, Grades 11,12
This Advanced Placement course provides the opportunity for students who have a strong desire to study an advanced mathematics course on the Advanced Placement level.

MATH FOR BUSINESS AND LIFE/A Full year - 1 credit, Grades 11*,12
This course is designed to prepare students to be competent consumers and to apply mathematics to daily living and is an alternative to Discrete Math.