

ACHS MATHEMATICS—RECOMMENDED COURSE SEQUENCING				
	9 <sup>TH</sup> GRADE	10 <sup>TH</sup> GRADE	11 <sup>TH</sup> GRADE	12 <sup>TH</sup> GRADE
CAREER/ 2-YEAR ASSOCIATE TRACK	<ul style="list-style-type: none"> <li>Math 1</li> </ul>	<ul style="list-style-type: none"> <li>Math 2</li> </ul>	<ul style="list-style-type: none"> <li>Math 3</li> </ul>	Fourth math based on after high school plans: <ul style="list-style-type: none"> <li>Discrete Math for Computer Science OR</li> <li>Math 4 OR</li> <li>Approved CTE Course(s) – see reverse for math options chart</li> </ul>
	<ul style="list-style-type: none"> <li>Math 1 OR</li> <li>Honors Math 1</li> </ul>	<ul style="list-style-type: none"> <li>Math 2 OR</li> <li>Honors Math 2</li> </ul>	<ul style="list-style-type: none"> <li>Math 3 OR</li> <li>Honors Math 3</li> </ul>	<ul style="list-style-type: none"> <li>AP Statistics OR</li> <li>Statistics (WCC MAT 152) OR</li> <li>Discrete Math for Computer Science (Reg. or Honors) OR</li> <li>Math 4 (Reg. or Honors) OR</li> <li>Pre-calculus (WCC MAT 171 &amp; 172)</li> </ul>
4-YEAR COLLEGE/UNC SYSTEM TRACK			ELECTIVES <ul style="list-style-type: none"> <li>AP Computer Science Principles* (<i>this course does NOT satisfy the 4<sup>th</sup> math requirement for the UNC system</i>)</li> <li>AP Statistics</li> </ul>	ELECTIVES <ul style="list-style-type: none"> <li>AP Computer Science Principles* (<i>this course does NOT satisfy the 4<sup>th</sup> math requirement for the UNC system</i>)</li> </ul>
	<ul style="list-style-type: none"> <li>Honors Math 1 AND</li> <li>Honors Math 2</li> </ul>	<ul style="list-style-type: none"> <li>Honors Math 3 AND</li> <li>AP Statistics</li> </ul>	<ul style="list-style-type: none"> <li>Pre-calculus (WCC MAT 171 &amp; 172) OR</li> <li>Honors Math 4 OR</li> <li>Honors Discrete Math for Computer Science</li> </ul>	<ul style="list-style-type: none"> <li>AP Calculus AB (PRECAL is Pre-Req.)</li> <li>AP Calculus BC (AP Calculus AB is Pre-Req.)</li> </ul>
ACCELERATED 4-YEAR COLLEGE/UNC SYSTEM TRACK		ELECTIVES <ul style="list-style-type: none"> <li>AP Computer Science Principles* (<i>this course does NOT satisfy the 4<sup>th</sup> math requirement for the UNC system</i>)</li> </ul>	ELECTIVES <ul style="list-style-type: none"> <li>AP Computer Science Principles* (<i>this course does NOT satisfy the 4<sup>th</sup> math requirement for the UNC system</i>)</li> </ul>	

NOTE: Students may take more than one math in any given year, but it is essential to take at least one course each year to be College/Career Ready upon graduation.

**North Carolina Mathematics Graduation Requirements  
Options Charts**

1. Admission into a UNC System Institution	2. Admission into a Community College or Technical School	3. Enter directly into a career after high school
<p>Students must earn credit for</p> <ul style="list-style-type: none"> <li>• NC Math 1</li> <li>• NC Math 2</li> <li>• NC Math 3</li> </ul> <p>And 1 credit from the following:</p>	<p>Students must earn credit for</p> <ul style="list-style-type: none"> <li>• NC Math 1</li> <li>• NC Math 2</li> <li>• NC Math 3</li> </ul> <p>And 1 credit from the following:</p>	<p>Students must earn credit for</p> <ul style="list-style-type: none"> <li>• NC Math 1</li> <li>• NC Math 2</li> <li>• NC Math 3</li> </ul> <p>And 1 credit from the following:</p>
<ul style="list-style-type: none"> <li>• Discrete Math for Computer Science</li> <li>• Math 4</li> <li>• AP Statistics</li> <li>• AP Calculus AB</li> <li>• AP Calculus BC</li> <li>• WCC – MAT 152 Statistical Methods I</li> <li>• WCC – MAT 171 Pre-calculus Algebra</li> <li>• WCC – MAT 172 Pre-calculus Trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>• Foundations of Math 1</li> <li>• Foundations of Math 2</li> <li>• Foundations of Math 3</li> <li>• CCRG Math</li> <li>• AP Computer Science Principles</li> <li>• Culinary Arts and Hospitality 1</li> <li>• Carpentry 1</li> <li>• PLTW Introduction to Engineering Design</li> <li>• PLTW Principles of Engineering</li> <li>• PLTW Computer Integrated Manufacturing</li> <li>• PLTW Aerospace Engineering</li> <li>• Apparel &amp; Textile Production I</li> <li>• Apparel &amp; Textile Production II</li> </ul> <p>Students entering high school <b>prior to the 2020-2021</b> school year:</p> <ul style="list-style-type: none"> <li>• Principles of Business and Finance</li> <li>• ProStart II</li> <li>• Personal Finance <b>AND</b> Entrepreneurship I</li> </ul> <p><i>Students may also earn a credit in a 4<sup>th</sup> Level Math Course listed in the Admission into a UNC System Institution Chart</i></p> <p><i>*Students who use this option will be required to meet the Multiple Measures Policy for the NC Community College System.</i></p>	<ul style="list-style-type: none"> <li>• Foundations of Math 1</li> <li>• Foundations of Math 2</li> <li>• Foundation of Math 3</li> <li>• CCRG Math</li> <li>• AP Computer Science Principles</li> <li>• Culinary Arts and Hospitality 1</li> <li>• Carpentry 1</li> <li>• PLTW Introduction to Engineering Design</li> <li>• PLTW Principles of Engineering</li> <li>• PLTW Computer Integrated Manufacturing</li> <li>• PLTW Aerospace Engineering</li> <li>• Apparel &amp; Textile Production I</li> <li>• Apparel &amp; Textile Production II</li> </ul> <p>Students entering high school <b>prior to the 2020-2021</b> school year:</p> <ul style="list-style-type: none"> <li>• Principles of Business and Finance</li> <li>• ProStart II</li> <li>• Personal Finance <b>AND</b> Entrepreneurship I</li> </ul> <p><i>Students may also earn a credit in a 4<sup>th</sup> Level Math Course listed in the Admission into a UNC System Institution Chart</i></p>