

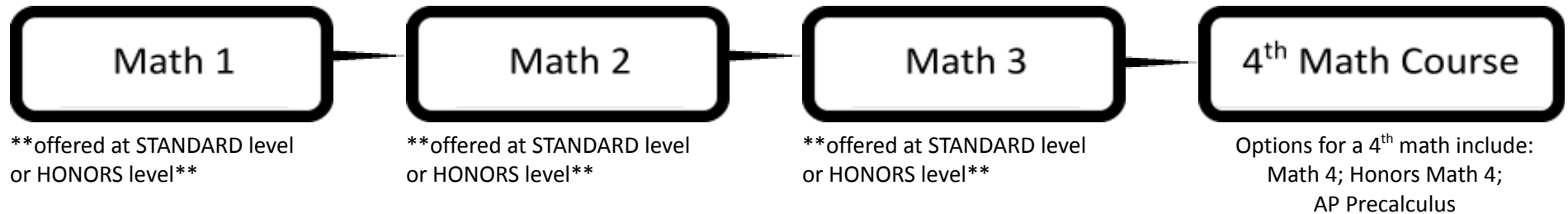
# Math Department

Questions? Contact Lara Doan [ldoan2@wcpss.net](mailto:ldoan2@wcpss.net) or Samantha Moreno [samoreno@wcpss.net](mailto:samoreno@wcpss.net)

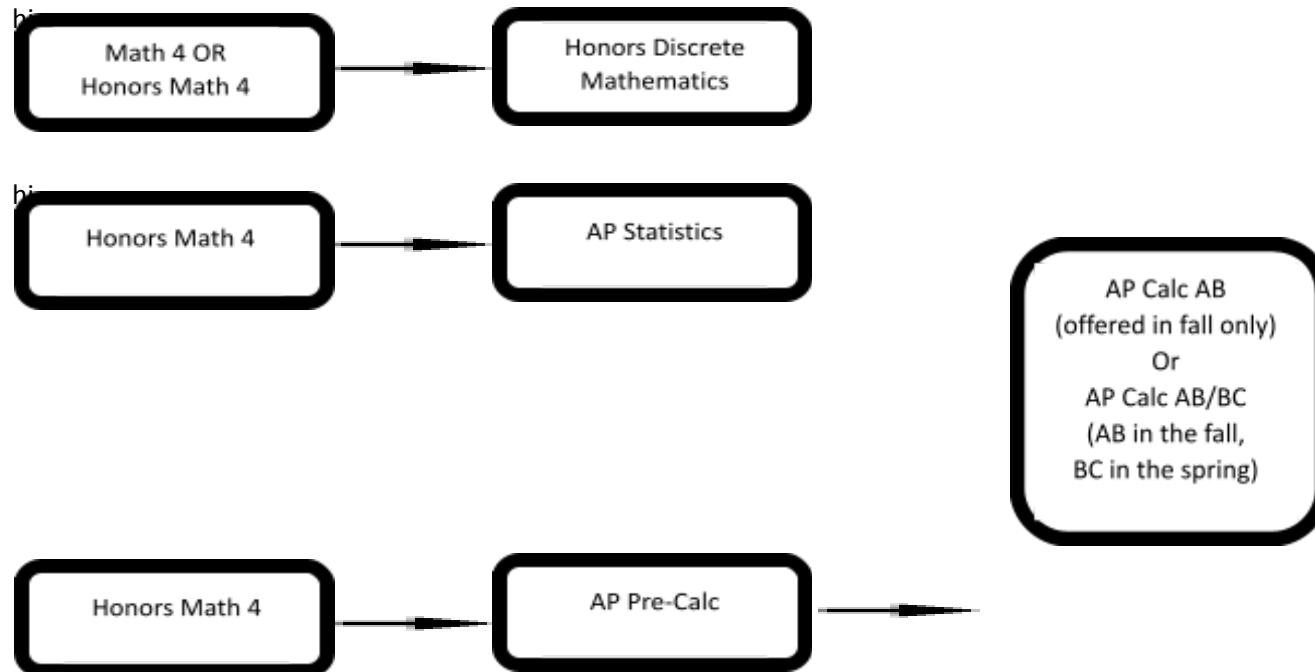


Students must earn at least 22 credits in the Future-Ready Course of Study to graduate from high school. These credits include four Mathematics credits which shall be either:

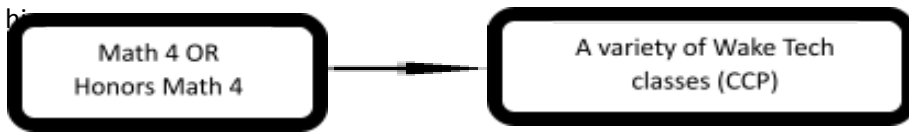
1. NC Math 1, 2, and 3 and a fourth mathematics course to be aligned with the student's post high school plans, OR
2. In the rare instance a principal exempts a student from the Future-Ready Core mathematics sequence, except as limited by N.C.G.S. §115C-81(b), the student will be required to pass: NC Math 1 and Math 2 plus two additional courses identified on the NC DPI Math options chart.  
<https://www.dpi.nc.gov/districts-schools/high-school-graduation-requirements/high-school-diploma-endorsements>



Ideas for options AFTER completion of your 4<sup>th</sup> math:



AFHS math classes are semester-long.



## What is Honors Math Plus?

- Honors Math Plus is an honors level Math elective for freshmen who completed Math 1 in their 8<sup>th</sup> grade year.
- Your student's 8<sup>th</sup> grade math teacher is an excellent resource for deciding if this is a class your student would benefit from taking.
- Honors Math Plus is offered in the fall semester only.
- If your student chooses to take Honors Math Plus, your student should sign up for Honors Math Plus **AND** Math 2 or Honors Math 2.
- As students transition from a year-long 45-minute block in middle school to a semester-long 90-minute course in high school, Honors Math Plus can help with the transition to the high school pacing.

## What are FOM1 and FOM2?

Foundations of Math 1 is an elective class that students may choose to take before Math 1.

- Foundations of Math 1 is designed for students who need to work on foundational skills in math before taking Math 1.
- Your student's 8<sup>th</sup> grade math teacher is an excellent resource for deciding if this is a class your student would benefit from taking.
- The purpose of this course is to formalize and extend the mathematics that students learn in middle grades. This course deepens and extends student understanding of linear relationships, geometric concepts, solving equations, and basic data analysis.

Foundations of Math 2 is an elective class that students may choose to take before Math 2.

- Foundations of Math 2 is designed for students who need to work on foundational skills in math before taking Math 2.
- Your student's Math 1 teacher is an excellent resource for deciding if this is a class your student would benefit from taking.
- The purpose of this course is to formalize and extend the mathematics that students learn in Math 1. This course covers topics based on students' needs and FOM2 is aligned with Math 2. Many topics may be included with an emphasis on solving relevant and appropriate problems using manipulatives and technology.

### **How can I help my student decide what math class or classes they should sign up for next year?**

There are a variety of factors to consider. Each student is unique, and ultimately the student and parent make the decision on what to sign up for.

Here are a few things to consider:

1. Teacher recommendations are an **EXCELLENT** guide for signing up for classes.
2. Your student's grades from previous classes are often a factor to consider. If your student made an A or high B with minimal retesting, then your student will likely enjoy the rigor and pace of an honors math class.
3. EOC and EOG scores – according to NCDPI  
(<https://www.dpi.nc.gov/documents/accountability/testing/eoc/eoc-nc-math-1-and-nc-math-3-achievement-level-descriptors/open>)
  - a. Level 5: Students at Level 5 demonstrate comprehensive understanding of grade level content standards, are on track for career and college, and are prepared for advanced content at the next grade/course
  - b. Level 4: Students at Level 4 demonstrate a thorough understanding of grade level content standards and are on track for career and college.
  - c. Level 3: Students at Level 3 demonstrate sufficient understanding of grade level content standards though some support may be needed to engage with content at the next grade/course.
  - d. Level 1 and 2 (not proficient): Students who are Not Proficient demonstrate inconsistent understanding of grade level content standards and will need support.
4. Additional logistics of Standard and Honors Level classes as detailed below:

	<b>Standard Level</b>	<b>Honors or AP level</b>
Out of class time commitment	Likely 15-30 minutes of homework or study on most nights	Likely 30 - 60 minutes of homework or study on most nights
Use of technology	Desmos is heavily relied on in class and allowed on most assessments	Desmos is minimally used and rarely allowed on assessments Graphing Calculators are not available on all parts of assessments and assignments

Reassessment (of Major Assessments only)	<p>FOM classes and Math 1-3: Allowed to reassess for up to a 75% after completing course remediation requirements</p> <p>Math 4: Allowed to reassess for up to 70% after completing course remediation requirements</p>	<p>Honors classes: Allowed to reassess for up to 70% after completing course remediation requirements</p> <p>AP classes: No retesting in AP level courses</p>
Other		<p>Students should come into the course with a <b>STRONG</b> set of foundational skills from previous classes. Students will be asked to use previous class skills to move into multi step problem solving and synthesizing of information from a variety of math topics.</p>