Prepare for STEM Career

## Prepare to get accepted in college

The Minimum Admission Requirements (MARs) to go to any 4-year UNC System College are:

1. GPA 2.5
2. ACT Composite 17
   1. A subscale score of 22 on Math is the benchmark for not needing remedial math courses
   2. A subscale score of 18 on English is the benchmark for not needing remedial English
3. Meet the Minimum Course Requirements (MCRs)
   1. These include 4 math classes from a specific list
   2. Check with your counselor or in cfnc.org

North Carolina has “open enrollment” in Community Colleges. This means that anyone can take courses. However, to be in a degree or technical certificate program, you must meet the following criteria:

1. GPA 2.5
2. ACT subscale score of 22 on Math
3. ACT subscale score of 18 on English
4. Meet the Minimum Course Requirements (MCRs)

These include 4 math classes from a specific list

Students who do not meet the requirements for degree or technical certificate programs in North Carolina Community Colleges can take non-credit courses to remediate their academic skills in math and English.

## To prepare for a STEM Major in college, students should take rigorous math in high school.

* The best route is to take Math I/Algebra 1 in middle school, then Honors Math II/Algebra 2, Honors Math III/Algebra 2 and Geometry, and one more approved math.
* The second best way is to take the standard Math I/Algebra 1 (not stretched over two courses), Math II/Algebra 2, Math III/Algebra 2 and Geometry, and one more.
* For students who are not interested in a STEM major in college, Foundations of Math I/Math IB, Foundations of Math II/Math IIB, Foundations of Math III/Math IIIB and one more will meet the MCRs in math.

## How to Know What You Are Ready For

* 8th Grade Aspire Math Subscale Score of 17 is the benchmark for being on track.
* EVAAS prediction of scoring Level III on MATH I EOC of 70% or higher means you are probably ready for the track leading to Honors Math classes.

## How Can I Improve My Math Skills? (Google these resources)

* Khan Academy
* Make a Scratch account at <https://scratch.mit.edu/> and learn to program.
* Use ACT Academy

Most of these are North Carolina requirements. Find out what the requirements for STEM college majors are in your state.