

CREATING OPTIONS FOR STUDENTS IN HIGH SCHOOL MATH



KEY RECOMMENDATIONS



ALL students should take math each year of high school.



ALL students would benefit from courses that emphasize skills that transcend STEM and non-STEM fields such as statistics and data science.



Share these resources that help students and parents research math courses needed for future college or career plans.

MAXIMIZE STUDENT POTENTIAL BY OFFERING A VARIETY OF MATH COURSES TO FUEL THEIR FUTURE PLANS.

A four-year high school math pathway could include statistics, probability, and data science, but could also include the traditional algebra to calculus sequence, especially for students entering a STEM-related field.

Students planning a future in STEM-related fields at a four-year college or university may eventually take calculus but do not need to take calculus before college. A pre-calculus class, in addition to statistics or data science courses, provides a good foundation for these students.



The Iowa Higher Education Mathematics Transition Advisory Council serves as a recommending body for the purpose of developing and issuing guidance on the mathematics transitions students make from high school through college. This group is comprised of Iowa educators representing high schools and colleges, both two and four year. Visit [IHEMTAC](https://www.ihehtac.org) for more information.