

Guidelines for Acceleration through Math and Computer Science Courses for Students in the Class of 2018 and Younger

The required TJHSST mathematics curriculum is a comprehensive program of study of a range of mathematics topics including algebra, geometry, trigonometry, probability, statistics, and discrete math, culminating with calculus. Courses beyond calculus are provided as electives for students who show aptitude and interest in mathematics. The computer science (CS) curriculum provides a foundation in programming for all students plus ten other semesters of study for students who show aptitude and interest in CS. It is important for all students to be competent in the skills and concepts taught in the required math and CS courses. Some students may have the background and aptitude to accelerate through the curriculum. It is our interest that students be appropriately challenged in math and CS while also demonstrating mastery of all content.

General guidelines for math course placement/acceleration:

- TJ Math 1 – 3 (Geometry and Algebra 2) are considered core courses and we do not allow placement out of these courses. TJ Math 1 – 2 (Geometry) are offered in summer school each year through the FCPS online campus (the course is called Honors Geometry).
- Students taking Algebra 2 with Trig the year before they begin TJ may take the TJ Math 4 Placement Test in June (special offering) if they meet the requirements listed below. If they pass, they can take TJ Math 5 in TJ Summer School to be able to take Calculus during their first year at TJ.
- A student may not place out of more than one level at a time. For example, a student may not go directly from TJ Math 3 to AP Calculus. Also, a student may only take the TJ Math 4 or the TJ Math 5 Placement Test.
- If a student places out of a course, no credit is earned for that course. It is up to the student, along with his/her parents and counselor, to ensure that all graduation requirements are met.

Guidelines for students currently in TJ Math 3/Algebra 2 to place out of TJ Math 4 or TJ Math 5:

- “A”s in all high school level math classes.
- Recommendation of current math teacher.
- 90% on the placement test (usually given 3 weeks before the school year starts).

Guidelines for students currently in TJ Math 5/Precalculus to place out of AP Calculus BC and into Multivariable Calculus:

- “A”s in all high school level math classes.
- A score of 5 on the AP Calculus BC exam.
- To meet TJ graduation requirements, students must take one full year of post-calculus courses for credit at TJ.

General guidelines for computer science course placement/acceleration:

- To meet TJ graduation requirements, students must take one full year of computer science for credit at TJ.

Guidelines for students with no CS credit to place out of Foundations and into AP CS with Data Structures:

- “A”s in all high school level math courses
- 90% on the CS placement test (usually given three weeks before the school year starts).