

Science, Math, Computer Science Certificate of Achievement Requirements

Students must take and pass the following courses:

___ **9th Grade:** Adv Sci 1 Physics, Adv Sci 2 Chemistry, Research & Experimentation,
Fundamentals of Comp. Science, Mag. Precalc A/B or Mag. Functions (test in fall)

___ **10th Grade:** Adv Sci 3 Earth Science, Adv Sci 4 Biology, Foundations of Technology,
Algorithms & Data Structures, Mag. Precalc C/D or Mag. Analysis

___ **11th Grade:** Research Design, Research Project A, AP Stat. (& AP BC Calc.) or Applied
Stat. (& Linear Alg. or Discrete Math)

___ 6+ semesters (3 credits) of **SMCS electives** (any additional AP Science course, advanced
Science courses*, advanced Technology courses, advanced Computer Science
courses, Research Project B)

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___ 8 academic periods all four years

___ complete Calculus BC

for Certificate of Achievement with Research, also

___ Internship (summer after 11th grade)

___ 12th grade: Research Project B, Vector Calc. or Multivariable Calc.

*advanced level science courses as designated by NCAA