



Course Requirements [155 credits]

14 Core Courses [70 credits]:

Mathematics [25 credits]

- ☐ Advanced Algebra 2 [5 credits]
- ☐ Advanced Geometry [5 credits]
- ☐ Advanced PreCalculus [5 credits]
- ☐ Advanced Placement Calculus (AB or BC*) [5 credits]
- *BC is a required prerequisite to Multivariable Calculus
- ☐ Advanced Placement Statistics / Multivariable Calculus [5 credits]

Science [20 credits]

- ☐ Advanced Biology [5 credits]
- ☐ Advanced Chemistry [5 credits]
- ☐ Advanced Physics 1 [5 credits]
- ☐ Advanced Placement Science (Biology, Chemistry, or Physics) [5 credits]

(We encouraged students to take additional world language classes under the "additional requirements" section below)

Research Based Analysis [15 credits]

- ☐ Research Based Analysis 1 [5 Credits]
- ☐ Research Based Analysis 2 [5 Credits]
- ☐ Research Based Analysis 3 [5 Credits]

****World Language [10 credits]**

(We encouraged students to take additional world language classes under the "additional requirements" section below)

Additional State Requirements [65 – 75 credits]:

(Advanced Classes are Encouraged Here)

- 4 **English [20 Credits]
- 4 Physical Education [20 Credits]
- 3 **United States History / World History [15 Credits]

VPA: Visual and Performing Arts [5 Credits]

TCLC: 21st Century Life & Careers [5 Credits]

CL: Computer Literacy (if not satisfied under VPA or TCLC) [0 - 5 Credits]

PFL: Personal and Financial Literacy (if not satisfied under VPA, TCLC, or CL) [0 – 5 Credits]

Additional Elective Requirements [10 – 25 credits]:

Note: This is just a small sample of the possible elective courses.

Advanced Placement Biology [5 Credits]
 Advanced Placement Chemistry [5 Credits]
 Advanced Placement Physics [5 Credits]
 Advanced Placement Statistics [5 Credits]
 Advanced Placement Computer Programming [5 Credits]
 Multivariable Calculus [5 Credits]
 Visual Basic [5 Credits]
 Computer Aided Design [5 Credits]
 Computers, Automation, & Robotics [5 Credits]
 Electricity [5 Credits]

**Classes in English [5 Credits]
 **Classes in History [5 Credits]
 **Classes in World language [5 Credits]
 **Classes Theatre / Art / Music / Band [5 Credits Each]
 Classes in Technology Education [5 Credits Each]
 Classes in Family and Consumer Science [5 Credits Each]
 Classes in Occupational Studies [5 Credits Each]
 Classes in Science and Technology [5 Credits Each]
 Classes in Business [Most Classes 5 Credits Each]
 Classes in Media [5 Credits Each]

** Offered at an Advanced Placement Level