

Montgomery County Public Schools

Sample Program of Study (POS): Architecture Triple Period / Thomas Edison High School of Technology

This is a sample pathway schedule that may be tailored to meet a student's individual needs. In addition to program coursework, all students must take prescribed English, mathematics, science, social studies, and other courses required for a Maryland high school diploma. Career Readiness POS varies at each high school. Please check the website below or with the school for program availability. <https://www.montgomeryschoolsmd.org/career-readiness/plans/hs-plans.aspx>

Grade 9	Grade 10	Grade 11	Grade 12
English <i>CAP Honors English 9</i>	English <i>English 10/Honors</i>	English <i>AP English Language & Composition</i>	English <i>African American Literature (Honors)</i>
Mathematics <i>Algebra 1, Geometry/Honors, or Algebra 2/Honors</i>	Mathematics <i>Geometry/Honors, Algebra 2/Honors, or Pre-calculus/Honors</i>	Mathematics <i>Algebra 2/Honors, Pre-calculus/Honors, or AP Calculus AB/BC or Statistics</i>	Mathematics <i>Pre-calculus/Honors, AP Calculus AB/BC, or AP Statistics</i> <i>Advanced Geometry % Applied Statistics %</i>
Science <i>NGSS Biology, NGSS Physics, Astronomy with Physics or AP Physics 1</i>	Science <i>NGSS Chemistry NGSS Biology Honors NGSS Chem + Bio</i>	Science <i>AP Biology (NGSS) AP Chemistry (NGSS) AP Physics II Magnet Science Course</i>	Elective Coursework¹ <i>AP Physics C: Mechanics, Electricity, & Magnetism</i>
Social Studies <i>CAP Honors U.S History</i>	Social Studies <i>National, State, and Local Government/Honors/AP</i>	Social Studies <i>Modern World History/Honors/AP/IB</i>	Elective Coursework¹ <i>AP Art & Design Internship or Guitar 4</i>
Physical Education <i>SP Yoga + SP Weight Training</i>	Elective Coursework¹ <i>AP Art History</i>	Architectural Drafting Techniques TP and Computer Assisted Drafting (CAD) Technology: Architectural Applications TP	Residential Design Studio TP and Advanced CAD Applications TP
World Language² <i>Spanish IV</i>	Elective Coursework¹ <i>Analysis of Algorithms A % Computer Graphics B %</i>		
CAP <i>CAP Theater x Drama CAP Scriptwriting x Photography</i>	Fine Arts <i>HS Guitar 2/3 or Adv. Studio Art 1/2 or Adv. Photography</i>		

¹ **Electives:** Elective courses are available in each content area (Fine Arts, PE, etc.) list above and varies at each high school. Please check with the school for course availability. College courses options are also available to students.

² **World Language:** Choose from languages available at your school. Students may fulfill the World Language graduation

option in middle school.

³ **Technology education:** Students may fulfill the technology education graduation requirement in middle school.