

# MCPS Program Completer Options Offered at Watkins Mill HS

## **OPTION #1 (College Recommended)**

### World Language

- Two credits of the following language options:
  - French (*French 1 - 7 is offered*)
  - Spanish (*Spanish 1 - 7 is offered, as well as Spanish for Spanish Speakers*)

*It is recommended that the credits be in the same language and some colleges prefer students to become proficient beyond the second level. The goal is to prepare students to be linguistically and culturally competent in languages other than English.*

## **OPTION #2**

### Advanced Technology

- There are two courses required to satisfy this completer:
  - Advanced Design Applications
  - Advanced Technology Applications

*Both credits involve individual and group activities to create ideas, develop innovations, design solutions, fabricate models, and engineer practical design results in a variety of technological problems. Group projects include, but are not limited to, building musical instruments and designing a model home.*

## **OPTION #3**

### Career Program

- Two courses and a work experience are needed for this completer:
  - College/Career Research and Development
  - Career Seminar
  - Site-Based Work Experience (*270 hours of paid or unpaid experience*)

*The Career Program is a career pathway program that prepares students with academic, technical, and workplace skills necessary to seek further education and employment in a career field of their interest upon graduating from high school. The program contains two in-school courses, a portfolio development project, and a site-based learning experience.*

## OPTION #4

### Career/Technology Education (CTE) Program Completers

- *There are six CTE Program Completers offered at “The Mill”:*
  - **Academy of Finance (AOF)** – this National Academy Foundation member provides students with intensive coursework in economics and business principles. The more you know about the banking system, the more you can get out of life. Ever thought of starting your own business? Banks offer you a lot more than just a checking and savings account. Learn how to purchase the house of your dreams, how to save a bundle when buying a car, how to get out of debt, how to use a credit wisely, how to purchase stocks, bonds and mutual funds, and much more! You will learn about the market economy and how it works in a global setting, as well as the international financial system.
    - Entrepreneurship, Accounting, Banking & Crediting A / Financial Planning B, Economics and the World of Finance A / International Finance B, and an Internship.
  - **Academy of Health Professions** – utilizes project and problem-based learning, clinical experiences, and classroom and lab instruction to teach students about the field of health care. Opportunities for students to apply what they are learning to real-life health care situations will be offered in the specialized health care course and capstone experience.
    - Foundations of Medicine & Health Sciences, Structures & Functions of the Human Body, and Medical Science with Clinical Application (2 periods).
  - **Child Development** – works with children in a variety of settings and study child development from the prenatal through adolescent stages. Knowledge of physical, intellectual, language, social, and emotional development is applied through planning sessions, teaching, observing, and studying 3- and 4-year-olds in the child development laboratory. Students develop competence in creative teaching techniques and can receive the 90 Hour Course certificate required for lead teachers at licensed child care centers or preschools in the State of Maryland.
    - Child Development 1, Child Development 2, Child Development 3, and Internship (one period).
  - **Computer Science** – starts with studying conceptual ideas of computing, so students understand why computing tools/languages are used to solve problems through a study of human computer interaction, problem solving, web design, programming, data analysis, and robotics.
    - This program was just added during the 2015-16 school year, so the complete list of available courses will be coming soon. As of now, we will be offering Foundation of Computer Science, AP Computer Science Principles, and AP Computer Programming.
  - **Hospitality Management (Culinary Arts)** – offers students opportunities to pursue interests and gain proficiency in all aspects of the food industry, preparing them for a variety of career options. Nutrition, food safety, and sanitation are emphasized as students practice all aspects of meal planning and preparation. ProStart outcomes have been infused into the curriculum, providing students with authentic work-based skills.
    - International Cultures & Cuisines, Culinary Essentials, and an Internship (at least 2 periods).
  - **Project Lead-The-Way (PLTW)** – this national program forms partnerships to increase the quantity and quality of engineers and engineering technologists graduating from our educational system. PLTW explores the design process and links STEM principles to relevant problem-solving activities. The five courses include topics such as 3-D modeling, control systems, and microcontrollers among other topics that allow for a hands-on engineering learning experience.
    - Introduction to Engineering, Principles of Engineering, Digital Electronics, Civil Engineering Architecture, and Engineering Design & Development.

***\*The CTE Programs satisfy the career development graduation requirement and are designed to help students acquire the specialized knowledge, skills, attitudes, and work habits required for postsecondary education and employment. In addition, with some of these programs, students will have the opportunity to earn state and/or nationally recognized certifications and/or college credit through articulation agreements with local colleges.***