

# Course of Studies Bulletin

2019-2020



## **Walt Whitman High School**

7100 Whittier Boulevard, Bethesda, MD 20817

Main office: 240-740-4800

Guidance: 301-320-6590

**Dr. Robert Dodd**, Principal

**Ms. Kristin Rudolph Cody**, Assistant Principal

**Ms. Michelle Lipson**, Assistant Principal

**Mr. Phillip Yarborough**, Assistant Principal

**Mr. Rainer Kulenkampff**, Assistant School Administrator

**Mrs. Kari Wislar**, Resource Counselor

January 2019

Dear Parents and Students:

The registration process is the first step toward planning for the next school year. Once students have registered, we will use their course choices to develop a master schedule and allocate staff for classes. **For this reason, any changes to course requests must be made by May 3, 2019.** Requests for changes made after this deadline will not be honored except in rare circumstances. Students should think carefully about their educational program and make careful decisions at this time. This consideration includes the selection of honors and AP courses. Students are advised to think about balance in choosing their courses because they will not be able to drop an honors or AP course if there is not room in the desired course they would like to change to.

The Walt Whitman Course Bulletin contains a calendar of registration activities and the list of courses proposed at Whitman for the 2019-2020 school year. All courses offered are subject to sufficient student enrollment and staff allocation. In addition, you can look up our course offerings online at: <http://www.montgomeryschoolsmd.org/curriculum/coursebulletin/> You should choose “school course catalogs” on the left navigation bar. Then you choose “Walt Whitman High School” to see our course offerings. We encourage you to use the worksheet feature on the website and print your worksheet in preparation for your registration meeting with your counselor.

Please read and use the online course bulletin during registration. Counselors, resource teachers, and department chairpersons will be happy to advise and assist you throughout this process.

Sincerely,

Robert Dodd  
Principal

## TABLE OF CONTENTS

Preface.....	4
Introduction.....	4
MCPS Graduation Requirements At A Glance.....	5
Maryland High School Comprehensive Assessment Program (MCAP).....	6
Maryland Certificate.....	7
Courses and Credits.....	8
Course-Related Information.....	9
Registration Calendar 2018-2019.....	19
Course Offerings.....	20
Art.....	20
Business Education.....	25
Career Education/College –Career Research development.....	26
Child Development and Education.....	27
Computer Science.....	29
Engineering and Technology Education.....	31
English Department.....	33
Intensive English Language Center (ESOL Classes).....	35
Mathematics Department.....	36
Music.....	38
Physical Education Department.....	41
Science Department.....	43
Social Studies Department.....	48
World Languages Department.....	50
Additional Courses .....	52

## **PREFACE**

The 2019–2020 MCPS High School Course Bulletin provides students and parents/guardians with information about high school courses, programs, and career programs of study for students graduating in 2023. This bulletin contains information about graduation requirements, required state assessments, internships, opportunities for dual enrollment in college, and special programs.

Course selection in high school is critical to the realization of career and higher education goals. Students should talk to their teachers and school counselor about the courses needed to meet their individual goals.

MCPS offers several hundred interesting and rewarding courses that help prepare students for the demands of the postsecondary world of college and careers. The 2019–2020 MCPS High School Course Bulletin contains brief descriptions of all approved courses offered in MCPS. Each MCPS high school offers a wide selection of these courses. Students and parents/guardians should work together to review the course offerings provided at their school, the graduation requirements, and other information in this bulletin.

Throughout this bulletin, you will find URLs directing you to MCPS websites that contain program information and MCPS policies or regulations.

All course bulletin information is available online. To access the online course bulletin, go to [www.montgomeryschoolsmd.org](http://www.montgomeryschoolsmd.org), click on Parents, then High Schools, then High School Course Bulletin; or go directly to <http://coursebulletin.montgomeryschoolsmd.org/Home/Parents>.

## **INTRODUCTION**

### **Maryland Diploma Requirements**

The state of Maryland authorizes one diploma for all high school graduates, based upon successful fulfillment of four categories of requirements: enrollment, course credit, student service learning (SSL), and assessments developed or adopted by the Maryland State Department of Education (MSDE), collectively referred to as the Maryland High School Assessments (MHSA). All requirements are summarized in the table on the following page, MCPS Graduation Requirements at a Glance.

### **College and Career Readiness**

In 2013, the Maryland General Assembly passed the College and Career Readiness and College Completion Act (CCRCCA), aimed at ensuring that all students are prepared for credit-bearing coursework in college and for living-wage careers. The CCRCCA includes the requirement that all students be assessed for college and career readiness in English and mathematics by the end of Grade 11, using one of several college and career readiness assessments. Students who do not meet the college and career ready standard in English and mathematics by the end of Grade 11 will be required to enroll in a transition course or other instructional opportunity during Grade 12, in preparation for reassessment. After completing the transition course or instructional opportunity, students must be reassessed by the end of Grade 12. School counselors and staff will work closely with students to determine the best assessment to take in Grade 11 as well as transition course options and reassessment during Grade 12, if necessary. More information about college and career readiness for the graduating class of 2023 is available at the website [www.montgomeryschoolsmd.org/info/CCRCCA/](http://www.montgomeryschoolsmd.org/info/CCRCCA/).

### **Enrollment**

Students must satisfactorily complete four years of school beyond Grade 8. (For exceptions, see Alternatives to Four-Year Enrollment.) Beginning with students entering ninth grade for the first time in 2014-2015 school year or later, each student shall enroll in a mathematics-based course each year the student attends a Maryland public high school, up to four years. This requirement is not waived for students enrolled in high school mathematics courses in middle school. MCPS courses that satisfy this requirement are published annually in this course bulletin. Students may also fulfill this requirement via dual enrollment, as set forth in section of MCPS Regulation ISB-RA, High School Graduation Requirements at [www.montgomeryschoolsmd.org/departments/policy/pdf/isbra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/isbra.pdf).

## Course Credits

Students shall be enrolled in a Montgomery County Public School (MCPS) and have earned a minimum of 22 credits that include the following (unless a preapproved MCPS alternative is satisfied):

### MCPS GRADUATION REQUIREMENTS AT A GLANCE

English	<b>4 credits</b>		
Fine Arts	<b>1 credit</b> (Selected courses in art, dance, drama/theatre, and music that satisfy the fine arts requirement are designated FA)		
Health Education	<b>0.5 credit</b>		
Mathematics	<p><b>4 credits</b>, including 1 with instruction in algebra aligned with the Maryland High School Assessment for algebra or one or more credits in subsequent mathematics courses for which Algebra 1 is a prerequisite, and 1 with instruction in geometry aligned with the content standards for geometry.</p> <p>NEW STATE REQUIREMENT FOR STUDENTS IN 2018 AND LATER: Students graduating in 2018 and later must be enrolled in a math course in each year of high school. This may result in students earning more than 4 credits in math for graduation.</p>		
Physical Education	<b>1 credit</b>		
Science	<b>3 Next Generation Science Standard (NGSS) credits</b> , including 1 life science credit ( <b>BC</b> ) and 1 physical science ( <b>PC</b> ).		
Social Studies	<b>3 credits</b> , must include 1 U.S. History credit; 1 World History credit; and 1 National, State, and Local (NSL) Government credit		
Technology Education	<b>1 credit</b> designated <b>TE</b> . Advanced Technology ( <b>AT</b> ) courses do not satisfy the TE course requirement.		
	OPTION 1	OPTION 2	OPTION 3
<b>Electives:</b> The additional credits required for graduation may be fulfilled by one of the three options	<b>2 credits</b> in a world language, which may include American Sign Language AND 2.5 credits in elective courses	<b>2 credits</b> in advanced technology education ( <b>AT</b> ) AND <b>2.5 credits</b> in elective courses. <b>TE</b> courses <b>do not</b> count as <b>AT</b> course credit.	Complete a state-approved <b>Career Readiness Program of Study (POS)</b> AND <b>0.5 credit</b> in elective courses
Student Service Learning (SSL)	75 service-learning hours		
Up-to-date graduation requirements by class may be found at <a href="http://www.montgomeryschoolsmd.org/curriculum/graduation-requirements.aspx">www.montgomeryschoolsmd.org/curriculum/graduation-requirements.aspx</a>			

**Maryland High School Comprehensive Assessment Program**

Maryland High School Comprehensive Assessment Program are tests developed for or adopted by MSDE that are aligned with and measure a student’s skills and knowledge as set forth in the content standards for specified courses. The term “MCAP” encompasses both the High School Assessment (HSA) developed for Maryland, tests developed by the Partnership for Assessment of Readiness for College and Careers (PARCC), as well as other tests MSDE may develop or adopt in the future. Students take these assessments as they complete the corresponding courses.

<p align="center"><b>Maryland High School Comprehensive Assessment Program (MCAP) Requirements</b> <i>For Students Graduating in 2023 HAS, PARCC, and MISA Assessments</i></p> <p align="center">*The MCAP requirements are subject to change by the Maryland State Department of Education (MSDE).</p>	
<b>Algebra 1</b>	<p>Course credit earned in Algebra 1 <b>AND</b></p> <ul style="list-style-type: none"> <li>• Pass Algebra 1 PARCC</li> </ul>
<b>MISA</b> Maryland Integrated Science Assessment	<p>3 <b>NGSS</b> courses in Science <b>AND</b></p> <ul style="list-style-type: none"> <li>• Pass HS-MISA</li> </ul>
<b>English 10</b>	<p>Course credit earned in English 10 or ESOL 3 or higher <b>AND</b></p> <ul style="list-style-type: none"> <li>• Pass English Language Arts/Literacy (ELA/L) 10 MCAP HSA</li> </ul>
<b>Government</b>	<p>Course credit earned in National, State, and Local Government <b>AND</b></p> <ul style="list-style-type: none"> <li>• Pass Government HSA</li> </ul>

For additional information regarding MCPS graduation requirements visit [www.montgomeryschoolsmd.org/curriculum/graduation-requirements.aspx](http://www.montgomeryschoolsmd.org/curriculum/graduation-requirements.aspx)

**PROMOTION REGULATION**

MCPS Regulation JEB-RA, *Placement, Promotion, Acceleration, and Retention of Students*, ([www.montgomeryschoolsmd.org/departments/policy/pdf/jebra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/jebra.pdf)), requires that high school students earn 5 credits each year in order to be promoted, including specific required credits in English, mathematics, science, and social studies, as indicated in the chart below.

End of:	Total Credits Needed for Promotion to Next Grade	TOTAL CREDITS IN REQUIRED COURSES				
		Math	English	Science	Social Studies	Other Courses – See Options Required for Graduation
Grade 9	5	1	1	0	0	3
Grade 10	10	2	2	1	1	4
Grade 11	15	3	3	2	2	5

## **Maryland High School Certificate of Program Completion**

This certificate is awarded only to students with disabilities who cannot meet the requirements for a diploma, but who meet the standards set forth in the Code of Maryland Regulations 13A.03.02.09, and MCPS Regulation ISB-RA, *High school Graduation Requirements*, found at [www.montgomeryschoolsmd.org/policy/pdf/isbra.pdf](http://www.montgomeryschoolsmd.org/policy/pdf/isbra.pdf). All students will be considered diploma-bound and will be assessed and graded accordingly, unless and until an Individualized Education Program (IEP) team determines that a student will be instructed, assessed, and graded on Alternative Learning Outcomes that are aligned with MCPS Curriculum, leading to a Certificate of Program Completion. The IEP team must obtain written consent from the parent/guardian of the student with a disability if the IEP proposes to enroll the student in an alternative education program that does not issue or provide credits toward a Maryland high school diploma.

## **Montgomery County Public Schools Certificate of Merit**

In addition to the Maryland high school diploma, students who meet the following requirements may be awarded the MCPS Certificate of Merit, a diploma endorsement:

- Advanced Courses – Students must earn at least 12 credits in advanced courses designated by MCPS as applicable to the Certificate of Merit (CM). CM courses contribute to a weighted grade point average only when the course is also identified as Advanced Level (AL). All courses to be counted toward the Certificate of Merit must be taken for a letter grade.
- Mathematics Requirement - Students must successfully complete and/or receive credit for an MCPS Algebra 2 course.
- Cumulative Grade Point Average - Students must obtain at least a 3.0 unweighted cumulative grade point average.

## **Maryland Seal of Biliteracy**

Maryland Seal of Biliteracy high school graduates who can function in two or more languages are equipped with the knowledge and skills to participate successfully in college, careers, and a diverse 21<sup>st</sup> century society. The Maryland Seal of Biliteracy is a diploma endorsement, authorized by Maryland law, that recognizes a student's high level of proficiency in listening, speaking, reading, and writing in one or more languages other than English. To receive a Maryland Seal of Biliteracy, a student must do the following:

- Pass the Maryland High School Assessment in English 10; AND
- Demonstrate Intermediate High proficiency in listening, speaking, reading, and writing in a language other than English, as measured by assessments that are aligned to ACTFL (The American Council on the Teaching of Foreign Languages) proficiency guidelines.

For more information about the approved assessments, please visit the website [marylandpublicschools.org/about/Pages/DCAA/World-Languages/Biliteracy/index.aspx](http://marylandpublicschools.org/about/Pages/DCAA/World-Languages/Biliteracy/index.aspx)

## **COURSES AND CREDITS**

Each MCPS high school provides a comprehensive program of studies that enables all students to earn required graduation credits. All high school courses are one semester long. All courses satisfying graduation requirements must be taken for a letter grade. Upon completion of each semester's work, students earn credit in each course taken – 0.5 credit for successful completion of a single-period course, 1 credit for a double-period course, and so on. Year-long courses usually have the same name for the two semesters with the title of the first semester followed by "A" or "1" and the second by "B" or "2". Generally, the first semester of a course is a prerequisite for the second semester.

## **Technology Education (TE) Requirement for Graduation**

To satisfy MSDE high school graduation requirements, students are required to take a state-approved technology education course. MCPS technology education courses that meet this requirement are designated TE. Advanced Technology (AT) courses do not satisfy the requirement for one credit in TE. Note that MCPS eLearning offers Foundations of Technology A/B and Foundations of Computer Science A/B in an online format during the summer.

AT courses satisfying graduation requirements for electives, Options 2, also must meet state approval. Courses meeting these requirements are designated AT. TE courses do not satisfy the requirements for AT courses in Option 2.

### **Personal Financial Literacy and Environmental Literacy**

In addition to the content standards that provide the framework for what students will learn in their courses, MSDE has also established Personal Financial Literacy and Environmental Literacy standards for all students at elementary, middle, and high school levels. In Montgomery County, these standards are embedded into existing curriculum, thereby extending student learning in meaningful ways. Personal Financial Literacy standards are taught in selected social studies courses primarily, while the Environmental Literacy standards are embedded mostly into science courses.

All of the teaching and learning that addressed the (MSDE) K-12 Maryland Environmental Literacy Standards during the K-8 years is built upon in specific high school science and social studies courses. Students meet the Maryland Environmental Literacy Graduation Requirement when they successfully complete these courses.

### **Student Service Learning**

The Student Service Learning (SSL) program in MCPS promotes a culture of student involvement and student responsibility through civic engagement. Service learning is a graduation requirement in Maryland. MCPS students must complete a minimum of 75 service-learning hours to graduate. They may begin fulfilling this requirement in the summer after Grade 5 and continue to accrue SSL hours through high school. Students who earn 260 or more SSL hours receive a **Certificate of Meritorious Service** at the time of graduation. Preparation, action, and reflection are the three phases of service learning that distinguish SSL from traditional volunteering and community service efforts.

Service learning hours are earned through the following:

- **School Courses** - Successful completion of specific courses identified in this course bulletin where the three phases in SSL achieve curricular objectives.
- **School Clubs** - Fully participating and completing the three phases of service learning in activities promoted by school-sponsored clubs and organizations.
- **Community Organizations and Opportunities (Must meet MCPS SSL guidelines)** – Fully participating in opportunities with community organizations listed on the MCPS SSL website, found at [www.mcps-ssl.org](http://www.mcps-ssl.org). MCPS SSL opportunities are identified on the Montgomery County Volunteer Center (MCVC) web page with the MCPS SSL icon found at [www.montgomeryserves.org](http://www.montgomeryserves.org). Students also may seek approval for other types of service learning by submitting MCPS Form 560-50, *Individual Student Service Learning Request*.

All activities for which SSL hours are desired must occur in a public place, be secular in nature, and be supervised by an adult representative from a non-profit, tax-exempt organization. Parents/guardians and relatives may not supervise a student directly. One SSL hour is awarded for every hour of service outside of the instructional day, with a maximum of 8 hours in a 24-hour period. MCPS Form 560-51, *Student Service Learning Activity Verification*, is required to document all activities for which SSL hours are desired. SSL FAQs and more information is available at the MCPS SSL site [www.mcps-ssl.org](http://www.mcps-ssl.org) and the MCVC website [www.montgomeryserves.org](http://www.montgomeryserves.org). For individual SSL questions, contact the SSL coordinator in any middle or high school.

### **High School Credit for Middle School Students**

For students who entered Grade 6 prior to the 2018-2019 school year, the final grade and credit for high school courses successfully completed in middle school are reported on the high school transcript and included in the calculation of the student's cumulative GPA. For students who enter Grade 6 during or after the 2018-2019 school year, the final grade and credit earned for high school courses successfully completed while in middle school will be reported on the high school transcript, but will not be calculated into the cumulative GPA, unless

requested by the parent/guardian or by the student if 18 years old or married (eligible student). Middle school students must meet the same requirements as high school students by earning a final grade of A, B, C, or D each semester. Additional information is in MCPS Regulation IKC-RA, *Grade Point Averages (GPA) and Weighted Grade Point Averages (WGPA)*, found at and MCPS Regulation <https://www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf>.

### **Honors, Advanced-Level, Advanced Placement, and International Baccalaureate Courses**

Honors (H), Advanced-Level (AL), Advanced Placement (AP), and International Baccalaureate (IB) courses provide opportunities for students to pursue rigorous and challenging studies. Students seeking an IB diploma or participating in a certificate program must meet the requirements of the program in addition to the MCPS requirements for graduation. Teachers, counselors, and parents/guardians will work together to support each student's progress in these challenging courses.

- **Honors Courses** - Honors courses provide expectations and opportunities for students to engage in more rigorous and complex content and processes and to develop authentic products that reflect the student's understanding of key concepts. The curriculum in each Honors course include appropriate adaptations for enriched learning to pursue in-depth studies that require abstract and higher-order thinking skills.
- **Advanced-level Courses** - AL courses are based on previous achievement in a sequence of study. Advanced-level courses include appropriate adaptations for accelerated and enriched learning to pursue in-depth studies that require abstract and higher-order thinking skills.
- **Advanced Placement (AP) Courses** - MCPS has developed courses that meet College Board guidelines to accompany the Advanced Placement examinations. A qualifying score on an AP exam may earn the student college credit or advanced standing in the subject in many colleges. All MCPS AP courses meet the requirements of and are approved by the College Board Audit Committee and include concepts and skills that help students prepare for the AP exams.
- **Process Change for AP Exams** – Students will register for exams in the fall, the College Board is implementing exam fees for ordering late or canceling your exam.
- **Fall exam ordering** – AP exams must be ordered no later than November 15, 2019.
- **Fees for late orders or canceled exams** – The AP exam fee will stay the same, but a \$40 fee will apply for exams ordered after November 15 or canceled by March 1.
- **Criteria for Enrollment in Honors, Advanced-level, and AP Courses** – Multiple criteria such as mastery of course prerequisites, willingness to complete challenging assignments, previous grades, student interest, and teacher/counselor recommendations will be used to admit high school students to H, AL, AP, or IB classes. All students with the capability, motivation, or potential to accept the challenge of such a program will have an opportunity to do so.

### **COURSE-RELATED INFORMATION**

#### **Student withdrawals from Courses**

A student-initiated withdrawal may occur when the student and parent/guardian determine that withdrawal will be beneficial to the student. Additional information is in MCPS Regulation JEC-RA, *Student Withdrawals from Classes and School*, found at <https://www.montgomeryschoolsmd.org/departments/policy/pdf/jecra.pdf>. An eligible student's withdrawal (one who is 18 years of age or older or is emancipated) must be reviewed by the counselor and may be discussed with the parents/guardians. If the student is not an eligible student, the student's withdrawal request must be approved by the parent/guardian in writing, reviewed by the counselor, and discussed with the student to ensure that the student understands that withdrawing from the course may result in a possible delay in meeting graduation requirements. Then, the counselor's recommendation is forwarded to the principal for approval.

The student must be presented with alternatives to withdrawing from a course. The student may transfer into another course within the same subject area for which the student had had adequate academic preparation. If no such alternative is available, the student may transfer into an appropriate elective course. Administrators/designees have discretion to adjust student schedules if necessary and as appropriate.

- If a student withdraws from a course before the end of the 25<sup>th</sup> day of the semester, no notation is made on the student's permanent record or report card.
- If a student withdraws after the 25<sup>th</sup> day of the semester, the date of the withdrawal and the achievement attained at the time of withdrawal will be entered on the report card and permanent record.

Additional information about withdrawal and student eligibility for extracurricular activities is in MCPS Regulation IKC-RA, *Grade Point Average (GPA) and Weighted Grade Point Average (WGPA)*, found at <http://www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf>, and in MCPS regulation IQD-RA, *Academic Eligibility for High School Students Who Participate in Extracurricular Activities*, found at [www.montgomeryschoolsmd.org/departments/policy/pdf/iqdra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/iqdra.pdf).

### **Other Provisions for Earning Credit**

In addition to earning credits during the regular school day and year, students may earn high school credits through summer school, extended-day learning opportunities, work experience programs, online courses, and college courses. **Advance permission from the principal or designee** is required in all cases involving other provisions for earning credit.

Online courses must be approved by MSDE and MCPS. See the list of online courses approved by MCPS for credit toward graduation at <http://www.montgomeryschoolsmd.org/departments/policy/pdf/isbra.pdf>.

### **Alternatives to Four-year Enrollment**

In recognition of the fact that four-year enrollment in a public high school may not serve the best interests of some students, alternatives to four-year enrollment are available. Requirements include **advance permission from the principal or designee**; an alternative plan must be developed, with enough lead time to allow a decision to be made at least one full semester prior to anticipated enrollment in a specific course or program; and a waiver. Approval may be made contingent on the student's acceptance to an approved college, vocational, technical, or other postsecondary school program. Required forms, reasons for which waivers are approved, and additional information about alternatives to four-year enrollment are discussed in MCPS Regulation ISB-RA, *High School Graduation Requirements*, found at [www.montgomeryschoolsmd.org/departments/policy/pdf/isbra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/isbra.pdf).

### **Attendance**

A commitment to school attendance, on the part of both students and parents/guardians, is an essential component of a high-quality learning experience. Parents/guardians and school personnel are expected to do everything possible to ensure each student's regular attendance. Students should attend all scheduled classes and approved educational activities and are responsible for completing all assigned work on time. Students should be enrolled in a full-day program or spend a comparable period of time in an alternative program or activity approved by the student's parent/guardian and principal. See MCPS Regulation JEA-RA, *Student Attendance*, at [www.montgomeryschoolsmd.org/departments/policy/pdf/jeara.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/jeara.pdf).

### **Grading and Reporting**

The Board is committed to maintaining rigorous performance and achievement standards for all students and to providing a fair process for evaluating and reporting student progress that is understandable to students and their parents/guardians and relevant for instructional purposes. Board Policy IKA, *Grading and Reporting* ([www.montgomeryschoolsmd.org/departments/policy/pdf/ikara.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/ikara.pdf)) and accompanying MCPS Regulation IKA-RA, *Grading and Reporting* ([www.montgomeryschoolsmd.org/departments/policy/pdf/ikara.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/ikara.pdf)) set forth expectations and guidance. The Office of Curriculum and Instructional Programs publishes procedures at [www.montgomeryschoolsmd.org/info/grading/](http://www.montgomeryschoolsmd.org/info/grading/).

### **Procedures for Grading**

Grading procedures will be applied consistently within and among schools. Grading practices must include clear and timely communication, alignment with curriculum, accurate reflection of student achievement, and fair representation of student performance. Grading practices must be fair and manageable and support effective teaching and learning.

Grades on report cards reflect academic achievement in relation to course expectations, as outlined in the MCPS curriculum. Extra credit may not be used. Course-specific procedures for grading are defined, used consistently, and explained clearly to students and parents/guardians in writing at the beginning of a semester or school year.

### **Districtwide Assessments**

Required assessments administered districtwide are one component of the body of evidence.

- A districtwide assessment is required to be given at designated times in identified grade levels and identified middle and high school courses.
- In middle and high school courses for which there are districtwide assessments, selected assessments may be calculated as 10 percent of the marking period, as directed by the Office of Curriculum and Instructional Programs (OCIP).

### **Reporting Student Progress**

Teachers will provide students and parents/guardians with information about achievement throughout the marking period. This feedback may take several forms, including the following:

- Report cards
- Interims/progress reports
- Online grade reports Parent Portal
- Parent conferences
- Informal methods of communication
- Teacher feedback

### **Credit/No Credit Grading Option**

- The Credit/No Credit grading option may be used only in courses not specifically required for graduation by the MSDE or MCPS.
- Courses taken using the Credit/No Credit cannot be applied toward a Certificate of Merit course.

### **Grade Point Average (GPA) and Weighted Grade Point Average (WGPA)**

Only final course grades and credit reported on high school transcripts are used in determining GPA and WGPA, in accordance with the procedures set forth in MCPS Regulation IKC-RA, *Grade Point Averages and Weighted Grade Point Averages* ([www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf)). To determine WPGA, an additional quality point will be added to grades of A, B, and C in all honors, advanced-level, and AP courses only.

A Marking Period Averages (MPA), used in determining academic eligibility, is shown on student report cards. The MPA is not cumulative and is not used to establish the GPA or WGPA.

MCPS does not rank students. See additional information about grading and reporting at [www.montgomeryschoolsmd.org/info/grading/](http://www.montgomeryschoolsmd.org/info/grading/).

### **Repeating a Course to Earn a Higher Grade**

Any student who completes a high school course may retake the course for a replacement grade. Grades and credits for courses retaken will be treated as follows, for computing the GPA and WPGA: a) a course may be retaken, no matter the final grade; b) the highest of the grades received shall be entered on the student's transcript and shall be used for the purpose of computing GPA/WPGA; c) students may only replace a course with a course of the same or comparable course code, as authorized by the Office of Curriculum and Instructional Programs; or d) if space in a class is limited, students taking the course for the first time have priority for placement in the case over students retaking the course. Upon completion of the course, their official transcript and GPA/WGPA will reflect only the higher mark earned. Further information can be found in MCPS Regulation IKC-RA, *Grade Point Averages (GPA) and Weighted Grade Point Averages (WGPA)*, found at [www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/ikcra.pdf), or by contacting the student's counselor or High School Programs in the MCPS Department of Secondary Curriculum and Districtwide Programs (240) 740-3941.

### School Library Media Program

Information literacy is a major component of college preparedness and workforce readiness and is central to the academic achievement of all students. The school library media program supports student achievement by collaborating with classroom teachers to integrate instruction of information literacy and information technology skills into the content curriculum and to ensure that students and staff are effective users and creators of ideas and information. The program is aligned with and integrated into the improvement plan at each school. The program includes the following:

- Collaboration with classroom teachers and other staff to develop and implement lessons that teach and assess information literacy skills in the context of the curriculum, by incorporating the inquiry process to address an information need and/or a research question
- Equitable and timely access to ideas and information by students and staff members
- A school library media collection selected and evaluated consistent with MCPS Regulation IIB-RA, *Evaluation and Selection of Instructional Materials and Library Books*
- Materials in the collection that support curricular requirements and instruction, engage students in free choice and independent reading, and are diverse in content and format, in response to stakeholder feedback.

### Academic Eligibility for Participation in Extracurricular Activities

Students who have a 2.0 average with no more than one failing grade in the previous marking period will be academically eligible to participate or practice during the next marking period in any extracurricular activity requiring academic eligibility. Further information, including additional provisions that apply to withdrawn courses, can be found in MCPS Regulation IQD-RA, *Academic Eligibility for High School Students Who Participate in Extracurricular Activities*, found at [www.montgomeryschoolsmd.org/departments/policy/pdf/igdru.pdf](http://www.montgomeryschoolsmd.org/departments/policy/pdf/igdru.pdf).

### National Collegiate Athletic Association (NCAA) Eligibility Center

The National Collegiate Athletic Association established the NCAA Eligibility Center to serve as the authorizing group for the final review and approval of core courses for freshmen college students who want to participate in intercollegiate athletics in NCAA Division I-A, I-AA, and II colleges and universities. The NCAA Eligibility Center Approved Core Courses are identified in the course bulletin with the symbol NCAA. In all cases, the list of eligible courses available at the NCAA Eligibility Center website represents the final determination on acceptable core courses. To learn more about NCAA Eligibility Center Approved Core Courses or about NCAA Freshmen Eligibility Standards, contact the local school resource counselor and visit the NCAA-IEC website at [www.ncaa.org/student-athletes/future/eligibility-center](http://www.ncaa.org/student-athletes/future/eligibility-center). Students may download the NCAA student document at [www.ncaapublications.com/productdownloads/CBSA17.pdf](http://www.ncaapublications.com/productdownloads/CBSA17.pdf)

### Taking Courses not Available at the Home School

Students who wish to take courses not available at the home school must apply through the counseling office at their home school.

## MCPS COUNTYWIDE PROGRAM

### Career Readiness Programs of Study (POS)

Programs of Study (POS) are state-approved programs that satisfy the Career Readiness graduation requirements and are designated by POS in this bulletin. Each of these programs is designed to help student acquire the specialized knowledge, skills, attitudes, and work habits required for employment and postsecondary education.

Students seeking to enroll in a POS that includes a work-based learning component may be required by the employer or sponsoring organization to provide appropriate documentations that may include a social security number and/or proof of citizenship/green card. Please review program information and POS requirements carefully for specific work-based learning component guidelines.

## MCPS Regional Career Readiness Programs

Some Career Readiness POS are offered to high school students through a regional choice model, to ensure access to programs when not offered in the student's home school. These programs are available at designated high schools and offer limited seats to students from designated regions of the county. Student participation is determined by an application process. Grades 8 – 11 students from designated regions of the county are eligible to apply the following application programs:

- Early College Associate Degree Programs at Montgomery College Campuses
- Fire Science and Rescue – Home School and MC Public Safety Training Academy
- Flight and Aircraft Systems at Col. Zadok Magruder HS
- International Baccalaureate (IB) Career-related Programme at Watkins Mill HS
- Middle College at Northwest HS
- Middle College at Northwood HS
- Network Operations and Information Technology (P-TECH) at Clarksburg HS
- Project Lead the Way Biomedical Sciences at Gaithersburg HS
- Project Lead the Way Biomedical at Wheaton HS
- Project Lead the Way Engineering at Wheaton HS

Extensive information about MCPS Career Readiness Programs of Study is available online at [www.montgomeryschoolsmd.org/career-readiness/](http://www.montgomeryschoolsmd.org/career-readiness/).

## Thomas Edison High School of Technology (TEHST)

Thomas Edison High School of Technology (TEHST) provides all MCPS students with the opportunity to co-enroll in advanced academic, technical, and career programs. The mission of TEHST is to provide students with state-of-the-art technological, academic, and interpersonal skills needed to achieve excellence in their chosen fields of study. The variety of Career Readiness programs offered at TEHST allows students to explore and experience traditional and nontraditional career options and to prepare for college and a wide range of expanding and challenging postsecondary options. Students enroll in TEHST programs through their home school and take courses at both the home school and at TEHST. Bus transportation is provided. All programs offered at TEHST are state-approved and meet the Career Readiness graduation option requirements for students.

Registration packets are available from TEHST, local school counselors, and at [www.montgomeryschoolsmd.org/schools/edison/](http://www.montgomeryschoolsmd.org/schools/edison/).

## Foundations Programs

The Montgomery County Student Foundations Office serves as a liaison between the business/professional community and MCPS, by coordinating three separate non-profit educational foundations that prepare students for a wide range of postsecondary options within the automotive, construction, and information technology and computer science industries.

Programs provide instruction in classroom and laboratory settings with state-of-the-art technology, along with authentic, real world experiences for students through rigorous curriculum, career pathway programs, industry-certification opportunities, community business partnerships, entrepreneurial projects, scholarships/awards, SSL hours, and articulation agreements through which students may earn college credit. Additional information is at [www.montgomeryschoolsmd.org/curriculum/foundations/](http://www.montgomeryschoolsmd.org/curriculum/foundations/) or contact the Foundations Office at (240) 740-2050.

- **Automotive Trades Foundation Programs** – The following high schools offer Automotive Trades Foundation programs: Damascus, Gaithersburg, Seneca Valley, and TEHST. Three student-run car sales per school year are held, selling more than 2,000 renovated vehicles to date. Students donate one renovated vehicle yearly to a deserving Montgomery County organization.
- **Construction Trades Foundation Programs** - Construction Trades Foundation programs are located at TEHST. Students design, construct, and market student-built houses. Forty-one houses have been built and sold thus far in Montgomery County. Students are currently constructing the forty-second student-built home.

- Information Technology and Computer Science Programs** - Information Technology programs in computer repairs and networking (Network Operations) are located at Clarksburg High School and TEHST. Students in these programs refurbish, market, and sell donated computers to the community and donate a lab each year to a deserving Montgomery County non-profit organization. Cisco Networking Academies are located in seven high schools: Bethesda-Chevy Chase, Damascus, Gaithersburg, Quince Orchard, Seneca Valley, Springbrook, and Wootton. Students in both programs can earn valuable industry-standard CompTIA certifications and college credits, and can obtain internships in the IT field. The Computer Science pathway, which includes a robotics unit, is offered in 24 high schools. Students can take two AP courses in the pathway as well as earn college credits and obtain internships. Six MCPS high schools are affiliated with NAF Academy of Information Technology (AOIT). The Clarksburg Pathways in Network and Information Technology Program (P-TECH) is a dual enrollment program that allows students to earn both an MCPS high school diploma and an Associate of Applied Science (ASS) degree from Montgomery College for free while in high school. This program is offered exclusively at Clarksburg High School, and the only entry point for this program is at the beginning of ninth grade.

### **Career Readiness Education Academy (CREA)**

CREA is a career readiness program for older English Language Learners (ELLs) in MCPS. Students are referred to CREA if they are unlikely to meet graduation requirements by the time they age out at 21 years old. CREA offers both a full-day and an evening program at Thomas Edison High School of Technology (TEHST). In the full-day program, students attend TEHST from 8 a.m. to 1:50 p.m. The evening option is offered Monday through Thursday, from 5:30 p.m. to 8:30 p.m. In both programs, students study a career pathway and participate in an ESOL class, a math class, and a GED preparation class. Students enroll at their home school but do not actually attend classes there. Students in CREA have the opportunity to earn industry certifications in their chosen field of study and receive a variety of social emotional supports in Spanish. Additional information is at [www.montgomeryschoolsmd.org/curriculum/foundations/](http://www.montgomeryschoolsmd.org/curriculum/foundations/) or contact the Foundations Office at (240) 740-2050.

### **The Visual Art Center (VAC) at Albert Einstein High School**

The Visual Art Center (VAC) is a challenging and rigorous portfolio development program with a competitive application process, consisting of an interview, portfolio assessment, scholastic achievement record review, and teacher recommendations. Students develop a broader perspective of the fine arts and a greater awareness of opportunities in art careers through studio activities, group critiques, assigned research, lectures, demonstrations, slide presentations, and gallery visits. An important outcome of the program is the assembly of a strong portfolio for AP studio exams, college admissions, and scholarship applications.

Grades 9 and 10 students attend the VAC for a double-period morning session (90 minutes each day). Grades 11 and 12 students can choose to attend the morning or afternoon session for a triple period (135 minutes each day) to pursue the AP studio art curriculum. Students may choose to transfer to Albert Einstein High School fulltime once they have been accepted into the program. Students/parents/guardians must provide transportation.

For more information, contact the MCPS Visual Arts Center at (240) 740-2700 or go to [www.montgomeryschoolsmd.org/schools/vac/](http://www.montgomeryschoolsmd.org/schools/vac/).

### **High School Science/Mathematics/Computer Science Magnet Program at Montgomery Blair HS and Poolesville HS**

Recognizing that education is an individual experience that depends on the unique talents and interests of each person, the mission of the MCPS High School Science/Mathematics/Computer Science Magnet Program is to provide an environment in which each student's education is maximized by emphasizing the interrelationships among the disciplines, developing a repertoire of problem-solving techniques, and pursuing both independent and collaborative research projects.

To realize this mission, the staff nurtures the special talents of its students, challenging those students through a unique, diversified curriculum that fosters individualism, independent thinking, and self-confidence. Students construct their own knowledge base, learn problem-solving strategies that foster a multidisciplinary approach, and develop the ability to think precisely and creatively.

The curriculum is designed to enable each student to build a solid foundation in Grade 9 and 10. Core courses in these first two years include physics, chemistry, Earth science, biology, two years of computer science, two years of mathematics, and an interdisciplinary course - Research and Experimentation for Problem Solving. During their junior and senior years, students have opportunities to go beyond traditional high school offerings with more than 25 special courses and independent research projects, while still meeting MSDE requirements (e.g. enrollment in mathematics).

Program descriptions, brochures, and applications are at [www.montgomeryschoolsmd.org/curriculum/specialprograms/high/magnet-science.aspx](http://www.montgomeryschoolsmd.org/curriculum/specialprograms/high/magnet-science.aspx).

### **The International Baccalaureate (IB) Diploma Programs in MCPS**

The IB Diploma program is offered at

- Bethesda-Chevy Chase High School (for students in the B-CC area)
- Albert Einstein High School (for students in the Downcounty Consortium)
- John F. Kennedy High School (for students in the Downcounty Consortium)
- Richard Montgomery High School (for students selected through a competitive county-wide application and selection process during their 8th grade year)
- Rockville High School (for students in the Rockville area)
- Seneca Valley High School (for students in the Seneca Valley area)
- Springbrook High School (for students in the Northeast Consortium)
- Watkins Mill High School (for students in the Watkins Mill area)

The IB county-wide program at Richard Montgomery High School is a selective application-based program. The application process takes place in Grade 8.

The International Baccalaureate (IB) Career Program in MCPS is offered at

- Watkins Mill High School
- Rockville High School

The IB Career Program is a framework of international education that incorporates the values of the IB into a unique program addressing the needs of students engaged in career-related education. The program leads to higher education, apprenticeships, or employment.

### **International Baccalaureate/Middle Years Programme (MYP)**

The MYP is designed for students aged 11 to 16. It provides a framework of learning that encourages students to become creative, critical, and reflective thinkers. The MYP emphasizes intellectual challenge, encouraging students to make connections between their studies in traditional subjects and the real world. It fosters the developmental skills for communication, intercultural understanding, and global engagement – essential qualities for young people who are becoming global leaders. Students engage in research and acquire critical-thinking skills through all subject areas, as well as study a second language. MYP is authorized and offered as a wholeschool program for Grades 9 and 10 at Bethesda-Chevy Chase High School, Richard Montgomery High School, Springbrook High School, and Watkins Mill High School.

The MCPS IB program website, [www.montgomeryschoolsmd.org/curriculum/specialprograms/high/ib.aspx](http://www.montgomeryschoolsmd.org/curriculum/specialprograms/high/ib.aspx), contains links to each school's program and admission process. Each high school offering an IB program has individualized its program, providing unique selections from the IB electives and languages. Local school course listings will indicate those courses available at a given school.

### **Blair/Poolesville Magnet Courses and IB Courses**

Courses are listed at the end of each department listing in this bulletin and the interdisciplinary and Research Courses section.

### Other Application Programs

There are other competitive programs offered to MCPS students with a limited number of seats that require students to complete an application and meet specific admissions criteria. Programs include the Communications Art Program at Blair HS, Global Ecology and the Humanities Programs at Poolesville HS and the Leadership Training Institute at Kennedy HS. Some programs accept applications countywide, while others accept applications from designated regions of the county. For more information about application programs offered in MCPS, visit [www.montgomeryschoolsmd.org/curriculum/specialprograms/](http://www.montgomeryschoolsmd.org/curriculum/specialprograms/). Parents/guardians of current Grades 8 – 11 students are able to access and review all eligible high school application programs on the myMCPS Parent Portal. Each application program may have its own application. Private school students may visit the special programs website to apply.

### Student Online Learning/eLearning

The MCPS Student eLearning program provides opportunities for students to take selected high school courses outside the traditional classroom setting. The program allows students access to online courses for acceleration, flexibility in scheduling, or to retake previously failed courses. Courses taught by MCPS teachers follow a blended learning model, requiring attendance at scheduled face-to-face meetings, in addition to online instruction. More information about student online learning/elearning is at [www.montgomeryschoolsmd.org/departments/onlinelearning/](http://www.montgomeryschoolsmd.org/departments/onlinelearning/).

- **Online MCPS Courses**

MCPS offers three online courses: Comprehensive Health, Foundations of Technology, and Foundations of Computer Science which follow a blended model of online and face-to-face (f2f) learning. Each course satisfies both MCPS and Maryland state graduation requirements. Registration and cost information for these classes is available online at the Student eLearning website.

- **Online AP Courses**

Approved AP courses, offered by vendors outside of MCPS, are delivered solely online. Courses have an associated fee. Registration information is available online at the Student eLearning website. As with all courses offered by institutions other than MCPS, **advance permission from the principal** or designee is required for courses for which the student seeks high school credit. Additional information regarding eLearning is found at [www.montgomeryschoolsmd.org/departments/onlinelearning/](http://www.montgomeryschoolsmd.org/departments/onlinelearning/).

- **Online Pathway to Graduation**

The Online Pathway to Graduation (OPTG) is a year-long program that enables current MCPS seniors and former MCPS high school students to meet the academic requirements for a Maryland high school diploma. The instruction is delivered primarily online. In addition, teachers for each content area are available at one of three support centers (The Center for Technology Innovation, Albert Einstein High School, and Northwest High School) who monitor participant progress and facilitate individual instruction. All unit tests are proctored at the assigned support center.

Participants progress through the courses, completing assignments and taking assessments to demonstrate mastery of course objectives. As participants successfully complete each course, credit is awarded, thus helping the participant progress toward earning a high school diploma. Also, participants are responsible for completing all Maryland and MCPS graduation requirements, including MHSA and SSL requirements. These courses are free for current MCPS students.

To learn about the Student eLearning program, see your counselor, contact the Student eLearning team or visit the Student eLearning website, [www.montgomeryschoolsmd.org/departments/onlinelearning/](http://www.montgomeryschoolsmd.org/departments/onlinelearning/).

### MCPS and Montgomery College Course Credit Partnership Programs

#### Dual Enrollment: College Courses and Program Opportunities

Dual Enrollment allows MCPS college ready students to enroll at institutions of higher education and take college courses that count toward college and/or high school credit. Students who successfully complete approved college coursework are able to receive advance-level high school credit on their transcript. By participating, dually enrolled students are positioned to save money on their college education and possibly graduate high school early. Parents who prefer not to have the college credit posted on the high school transcript may speak with their child's counselor to opt out of this opportunity.

Dual Enrollment offers the following:

- Opportunity for students to enroll in college courses offered at select high schools, online, or on a college campus
- Transferability of credit to additional institutions of higher education. Students must check with the college of their choice to ensure transferability in advance of enrolling in the course.
- A level of financial aid for all students; however, the amount will vary based on eligibility.

For additional information regarding college course options, see your counselor or the Dual Enrollment Program Assistant at your school and visit [www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx](http://www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx).

### **Early College Opportunities**

MCPS and Montgomery College (MC) offer the Early College (EC) program on campuses of MC for qualifying MCPS students. Participating students complete their 11<sup>th</sup> and 12<sup>th</sup> grade years of high school on the college campus, while simultaneously completing their first two years of college. Students in this program will graduate with an Associate's degree from MC as well as Maryland State High School diploma. These programs are open to Grade 10 students who meet the program requirements. Students apply to these programs during the choice process. For more information about this program please visit: [www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx](http://www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx)

### **Middle College Opportunities**

The Middle College programs at Clarksburg, Northwest, and Northwood high school are dual-enrollment programs that prepare students to earn a high school diploma and college credits toward an associate's degree. These programs are open to Grade 8 schools within identified regions. Students apply to these programs during the choice process. The college credits are earned through a combination of courses, including Advanced Placement courses and corresponding test scores, CLEP examinations, and MC courses. Students are supported through a progressive transition from a traditional high school experience to a college-like experience on the high school campus, and finally to full college coursework and experience on the college campus. For more information about this program please visit [www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx](http://www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx).

### **College Credit Available at MC for MCPS Students Who Complete a Career Readiness Program of Study**

MCPS graduates who successfully complete select Career Readiness programs of study may earn free college credit after receiving grades of B or higher in courses articulated with Montgomery College (MC). Earned credits may be used toward an associate's degree at MC. For more information regarding the MC articulated credit and related programs of study, students should contact their high school counselor. MC offers financial aid to help pay fees for qualifying students. Call (301) 279-5000 at MC for college-related information, including information from the Financial Aid Office and an application packet.

[Students are advised that there are additional options for earning college credit while an MCPS student. More information about these opportunities visit [www.montgomeryschoolsmd.org/curriculum/partnerships/college-credit.aspx](http://www.montgomeryschoolsmd.org/curriculum/partnerships/college-credit.aspx)]

[www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx](http://www.montgomeryschoolsmd.org/curriculum/partnerships/dual-enrollment.aspx)

### **MC Ensembles Partnership Program**

The MC Ensembles Partnership gives talented MCPS high school instrumental music students the opportunity to participate in the MC Wind Ensemble. For additional information, speak with your school's instrumental music teacher or contact Dr. Jay Crowder, Music Department Chair, at 240-567-7554, or e-mail:

[jay.crowder@montgomerycollege.edu](mailto:jay.crowder@montgomerycollege.edu).

## **ADDITIONAL LEARNING OPPORTUNITIES**

### **George B. Thomas, Sr. Learning Academies**

Twelve MCPS Schools host The George B. Thomas, Sr. Learning Academies programs on Saturday mornings (Saturday School) providing enrichment, tutoring, and mentoring for students in Grades 1-12. The George B. Thomas, Sr. Learning Academy, Inc. was established in 1986 by the Mu Nu Chapter of Omega Psi Phi Fraternity, as an outgrowth of the Saturday School Initiative of Blacks United for Excellence in Education. Saturday Schools are open to all students, regardless of their home school. High school sites include Blair, Clarksburg, Einstein, Gaithersburg, Kennedy, Magruder, Northwest, Paint Branch, Rockville, Springbrook, Watkins Mill, and Wheaton. For more information about Saturday Schools tutoring and the George B. Thomas, Sr. Learning Academies, contact your local school or check the MCPS website [www.montgomeryschoolsmd.org/departments/gbtila/](http://www.montgomeryschoolsmd.org/departments/gbtila/), or [www.saturdayschool.org](http://www.saturdayschool.org)

### **Summer School Learning Opportunities 2019**

The Regional Summer School Program provides an alternative for students to receive credit for select courses during the summer. The courses taught follow the same curriculum guidelines as those taught during the regular school year and may include online course options. Brochures for the 2019 Regional Summer School Program will be available in all schools by the last week of April 2019. Registration forms, tuition-reduction waiver vouchers, and a copy of the summer school brochure will also be available on the MCPS website.

### **Summer School Sites and Schedules**

Summer School locations and schedules will be advertised as soon as they are available. The sites for the Regional Summer School Program are selected to best serve the needs of all students.

Also, high schools can develop their own Local School Program (LSP) to serve the needs of their specific population. The LSP operates independently of the Regional Summer School Program.

Questions regarding LSPs should be directed to individual schools. Questions regarding the Regional Summer School Program should be directed to 301-279-3202, or:

Regional Summer School Program  
Carver Educational Services Center,  
Rockville, MD 20850  
Fax: 301-279-3747.

## **REGISTRATION CALENDAR 2018-2019**

Registration is a crucial decision-making process. Some of the factors that should be taken into consideration in making course selections include:

- Graduation requirements
- College prep considerations
- Degree of readiness for course under consideration
- Difficulty of total program

**The Master Schedule for the coming year is based on student course selections made during the registration period; therefore, it is frequently impossible to honor schedule change requests that may be submitted at a later time.**

### **GRADE 8**

Registration for 8<sup>th</sup> grade students at Pyle – Jan. 7-8 (Snow dates: Jan. 10 and 11)

Current Eighth Grade Parent Night- Jan. 14, 2019 at 7:00pm in Whitman Auditorium (Snow date: Jan. 16)

Pyle parent drop in: February 4, 2019 from 7:45 am-11:45 am

Registration forms due at Pyle by February 5th at 3pm

Registration pick-up at Pyle: February 11th (9:45-11:15am)

### **GRADE 9**

Registration Orientation – January 31, 2018 in English classes

Return registration materials – Feb. 19 (periods 1 – 8) in English classes/Counseling

### **GRADE 10**

Registration Orientation – February 7, 2019 in English classes

Return registration materials – February 21, 2019 (periods 1 – 8) in English classes/Counseling

### **GRADE 11**

Registration Orientation – February 14, 2019 in English classes

Return registration materials – February 26, 2019 periods 1-8 in English classes/Counseling

### **ESOL REGISTRATION**

Registration Orientation – Feb. 5, 2019 in ESOL classes

Return registration materials – Feb. 12, 2019 in ESOL classes/Counseling

***Registration Makeup: February 28th during Period 2 in Counseling Office***

***Schedule change requests for School Year 2019-20 must be made no later than Friday, May 3, 2019. Schedule Changes will not be made after that date.***

## COURSE OFFERINGS

### ART

The Walt Whitman HS Art Department offers a wide range of Visual Art experiences and is dedicated to helping each student develop their talent to the fullest. Students at Whitman can take Art all four years and meet graduation requirements. Advanced Placement (AP) courses are available in Studio Art (Drawing and Painting), Ceramics & Sculpture, 2D Design including Photography, Digital, and Commercial Art.

**One Fine Arts credit is required for graduation. Refer to the MCPS County Course Bulletin for selected courses, which satisfy the Fine Arts requirement.**

Course Title	Course No.	Notes
Foundations of Art	605500/605600	
2-D Studio Art 1	635500/635600	
2-D Studio Art 2	620500/620600	
Advanced 2D Studio Art 3	630500/630600	
Advanced 2D Studio Art 4	631300/631400	
AP Studio Drawing	648200/648300 or DP 648400	Studio Art
Ceramics/Sculpture 1	638100/639100	
Ceramics/Sculpture 2	638300/639300	
Advanced Ceramics/Sculpture 3	638500/638600	
Advanced Ceramics/Sculpture 4	631331/631432	
AP Studio 3-D	648800/647300	Ceramics
Commercial Art 1	640100/641100	
Commercial Art 2	640300/641300	
Commercial Art 3	631333/631434	
AP Studio 2D	648631/647232	Commercial Art
Photography 1	634500/634600	
Photography 2	634700/634800	
Advanced Photography 3	634300/634400	
Advanced Photography 4	631335/631436	
AP 2-D Photo	635100/635200	
Digital Art 1	649600/649700	
Digital Art 2	649800/649900	
Advanced Digital Art 3	631337/631438	
Advanced Digital Art 4	631339/631440	
AP Studio 2D	648633/647234	Digital Art
Animation	647800/647900	Prereq: Level 1 Art

---

Courses marked \* count toward the Certificate of Merit

### ART COURSES

#### Foundations of Art A/B (605500/605600)

Students will explore the fundamentals of two-dimensional studio art media (e.g. drawing, painting, printmaking, collage) to create original work. They will explore how to use formal qualities and compositional devices to make aesthetic choices that communicate narrative. Students are provided authentic and meaningful opportunities to develop literacy skills in a contemporary age becoming increasingly visual in its communication. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

#### 2-D Studio Art 1 (635500/635600)

Students will develop observational drawing and rendering skills while exploring a variety of media, tools, and techniques. In addition to drawing, students will have the opportunity to create works of art using conventional and contemporary two-dimensional studio media (e.g. painting, printmaking, collage). Creative problem-solving skills

are developed as students discover how formal qualities and compositional devices are used to make aesthetic choices in artwork that communicates narrative. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

### **2-D Studio Art 2 (620500/620600)**

CM FA (AL) **Prerequisite:** 2-D Studio Art 1 A/B

Students continue building a portfolio of artwork and an art journal. Personal style emerges through the selection of media, subject matter and art forms used to solve visual problems. Reading assignments, group critiques, and visuals are used to help students develop an aesthetic vocabulary and an appreciation for art as an expression of human experience.

### **Advanced 2-D Studio Art 3 (630500/630600)**

CM FA (AL) **Prerequisite:** 2-D Studio Art 2 A/B

Students focus on a medium and art form of their choice, using both assigned and self-selected subject matter. They participate in-group critiques and present their work in a portfolio and in a one-person show. They participate in-group discussions in which they analyze significant works of art and periods of art history. Museum field trips and talks with visiting artists may be arranged.

### **Advanced 2-D Studio Art 4 (631300/631400)**

CM FA (AL) **Prerequisite:** Advanced 2-D Studio Art 3 A/B

Students will synthesize and adapt approaches to using media, techniques, and processes to develop a personal style and voice. They will present a personal exhibition and justify curatorial choices that communicate meaning. Students will discover how artists often work in collective studios and develop a collegial environment that thrives on giving and receiving constructive criticism. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

## **3-D Studio Art Courses**

### **Ceramics/Sculpture 1 (638100/639100)**

**Prerequisite:** 6381 is prerequisite to 6391

Students learn basic hand-building techniques and glazing processes. Included are the composition and general characteristics of clay bodies, safe studio practices, craftsmanship, and surveys of significant styles in pottery and ceramic sculpture. An introduction to the wheel may be presented. Ceramics 1B focuses on sculptural processes using a variety of materials and techniques. Writing and thinking skills are reinforced through journal writing.

### **Ceramics/Sculpture 2 (638300/639300)**

CM FA (AL) **Prerequisite:** Ceramics/Sculpture 1 A/B

Students create original artwork inspired by natural and historically significant ceramic forms. Students study the formulation and firing characteristics of basic glazes, additional techniques for throwing on the pottery wheel, kiln theory, craftsmanship and safe studio practices. Students apply decoration techniques such as using overglazes, underglazes, and patina methods and learn to stack and monitor the kiln.

### **Advanced Ceramics/Sculpture 3 (638500/638600)**

CM FA (AL) **Prerequisite:** Ceramics/Sculpture 2 A/B

Students study the works of contemporary potters and sculptors in terms of form, finish, and conceptual statement. Students create a series of forms that reflect a common source or theme. They combine handmade and wheel-thrown clay forms to create pottery or sculpture that reflects personal meaning. Writing and thinking skills are reinforced through journaling. Group critiques are conducted.

### **Advanced Ceramics/Sculpture 4 (631331/631432)**

CM FA (AL) **Prerequisite:** Advanced Ceramics/Sculpture 3 A/B

Students will synthesize and adapt approaches to using ceramic and sculpture media, techniques, and processes to develop a personal style and voice. They will pursue an artistic investigation to create a body of three-dimensional artwork that expresses personal voice by exploring perceptions, experiences, and knowledge. Students will discover how ceramic artists and sculptors often work in collective studios and develop a collegial environment that thrives on giving and receiving constructive criticism. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

**Functional Design****Commercial Art 1 (640100/641100)**

Students design and produce advertising and promotional art using a variety of tools and graphic design processes. Students investigate historically significant designs and the use of photography, digital art, and TV/video productions in contemporary commercial artwork. Related health and safety hazards are discussed.

**Commercial Art 2 (640300/641300)**

CM FA (AL) **Prerequisite: Commercial Art 1**

Students in their second year of commercial art continue to develop their knowledge and skills in graphic design and commercial artwork.

**Commercial Art 3 (631333/631434)**

**Prerequisite:** *Commercial Art 2 A/B, Studio Art 2, or by teacher recommendation.*

Students enrolled in Advanced Studio Commercial Art concentrate on building a portfolio of work including promotional art, poster designs and a collection of product and environmental designs.

**Digital Art****Digital Art 1 (649600/649700)**

**Prerequisite:** 6496 is prerequisite to 6497

Students use the computer as a tool to create portraits, illustrations, commercial/advertising art, and animations. Students discuss ethical and safety issues in the use of computers as an instructional tool. A variety of techniques, processes, and applications are studied. Guest speakers and experts in the field of digital art introduce and describe careers. Students work to develop criteria for judgment of digital artwork. A portfolio of digital art is produced.

**Digital Art 2 (649800/649900)**

CM FA (AL) **Prerequisite: Digital Art 1 A/B**

Students continue to create original artwork using the computer as the tool. Visual and technical literacy is developed through critical and creative thinking in order to solve artistic problems. This course can be repeated for credit.

**Advanced Digital Art 3 (631337/631438)**

CM FA (AL) **Prerequisite: Digital Art 2**

This course requires students to refine and master digital hardware and software platforms that reflect contemporary practices and industry standards to prepare for college and career. Students will generate creative problems to focus lines of inquiry that result in a portfolio of digital art and design products. This course will provide authentic and meaningful opportunities to develop digital literacy skills in a contemporary age becoming increasingly visual in its communication. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

**Advanced Digital Art 4 (631339/631440)**

CM FA (AL) **Prerequisite: Digital Art 3**

This course prepares students for college and career experiences in digital media by requiring students to communicate their personal voice through independent experimentation and refinement of digital hardware and software tools that reflect contemporary practices and industry standards. Students will initiate research, practice, and collaboration towards the completion of a body of work that reflects their personal voice as an artist and designer. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

**NEW! Animation (647800/647900)**

**Prerequisite:** (either Digital Art 1, Foundations of Art, Studio Art or Commercial Art)

Students work with computers to produce 2 dimensional and 3 dimensional animations and short video using Adobe products. The Elements of Art and the Principle of Design are used as students create original drawings and short films. Character design, basic animation principles and formatting is covered in the course. Special effects will be covered.

## ***Photography***

### **Darkroom Photo/Photo 1 (634500/634600)**

Students will explore the fundamentals of darkroom photography (e.g. operating an SLR camera, processing film, and printing black and white photographs) to create original work. They will explore how to use formal qualities and compositional devices to make aesthetic choices that communicate narrative in a photograph. A collection of photographs will be selected and presented to communicate a theme or a personal narrative. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of photographs as text.

### **Photography 2 (634700/634800)**

CM FA (AL) **Prerequisite: Photography 1 A/B or Darkroom Photography A/B**

This course focuses on portfolio development by refining skills and mastering the digital tools and technology needed to edit and manipulate photographs. In addition, students will experiment with traditional and contemporary forms of photography, compositional structures, concepts, art-making approaches to communicate personal perceptions in original works. They will analyze how visual imagery influences understanding of and responses to the world. Students develop critical thinking skills when interpreting and evaluating photographs by synthesizing both technical and aesthetic characteristics of the media. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

### **Advanced Photography 3 (634300/634400)**

CM FA (AL) **Prerequisite: Photography 2 A/B**

This course requires students to refine and master digital and/or darkroom photography tools and techniques that reflect contemporary practices and industry standards to prepare for college and career. Students will generate creative problems to focus lines of inquiry that result in the preparation and presentation of a photography portfolio. This course will provide authentic and meaningful opportunities to develop digital literacy skills in a contemporary age becoming increasingly visual in its communication. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of photographs as text.

### **Advanced Photography 4 (631335/631436)**

CM FA (AL) **Prerequisite: Advanced Photography 3 A/B**

This course prepares students for college and career experiences in digital and/or darkroom photography by requiring students to communicate their personal voice through independent experimentation and refinement of photography tools that reflect contemporary practices and industry standards. Students will initiate research, practice, and collaboration towards the completion of a body of work that reflects their personal voice as a photographer. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

## ***Advanced Placement Courses***

### **AP Studio 2-D/Commercial Art (648631/647232)**

CM FA (AP) **Prerequisite: minimum of 2.0 credits in visual art**

This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

### **AP Studio Drawing/Painting (648200/648300 or 648400 DP)**

CM FA (AP) **Prerequisite: minimum of 2.0 credits in visual art**

This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

### **AP Studio 3-D Ceramics (648800/647300)**

CM FA (AP) **Prerequisite: minimum of 2.0 credits in visual art**

This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

**AP 2-D Photo (635100/635200)**

CM FA (AP) **Prerequisite: minimum of 2.0 credits in visual art**

This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

**AP Studio 2D/Digital Art (648633/647234)**

**Prerequisite: minimum of 2.0 credits in visual art**

This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

## BUSINESS EDUCATION

Most courses listed are 1/2 credit per semester and are described in the online course bulletin.

Course Title	Course No.	Notes
Personal Finance	*415800	semester 1
International Business	*413600	semester 2
Business Internship A single period	781300	semester 1
Business Internship B single period	781600	semester 2
Business Internship A double period	781800	semester 1, 1 credit
Business Internship B double period	781900	semester 2, 1 credit
Business Internship A triple period	782200	semester 1, 1½ credits
Business Internship B triple period	782300	semester 2, 1½ credits

### Personal Finance – Grades 9-12

Personal Finance is truly a course that is “ripped from the headlines” these days. It addresses the needs of the students as they prepare for financial independence. Topics include: financial goal setting, financial planning, career planning, budgeting, researching large purchases, price negotiation, choosing financial institutions, and the wise use of credit. The importance of saving and investing is emphasized. The students play the Stock Market Game to give them “hands on” experience investing on Wall Street. Students will engage in the H & R Budget Challenge online where they will learn how to pay bills, manage expenses, save money, invest in retirement, and pay taxes. The program’s learn by doing approach lets students learn real-world financial skills. Students are challenged to balance current and future financial needs by using application of financial concepts. A class all students should take to ensure they are real-world ready.

### International Business – Grades 10-12

International Business focuses on the student as an entrepreneur in the global market. This course requires a business plan for an international start-up as a final project. Topics include: Global Economic Basics; Importing, Exporting and Trade Relations; International Currency Exchange, International Finance and the IMF and World Bank; and all of the aspects of Strategic International Business Planning. The students get a brief introduction to investing and will play the Stock Market Game with an emphasis on global investments. Speakers from the community are brought in to give a real-world perspective. A field trip to the New York Financial District is often planned. Speakers from the community are brought in to give a real-world perspective.

### Business Internships A and B

Students may sign up for paid or unpaid Business Internships in local businesses and professional, career-focused organizations. Students may enroll for a single, double, or triple-period internship. There is an application process and students must get pre-approval for all work sites from Mrs. Marafatsos. Students must provide their own transportation. The Career/College Research Development 1 Class (CCRD 1) is strongly recommended for intern students. (See Career Education for CCRD 1 course details)

**CAREER EDUCATION/COLLEGE –CAREER RESEARCH DEVELOPMENT**

**All students who register for Site Based Work Experience must also register for the College-Career Research Development (CCRD) appropriate course.**

- Each course listed is ½ credit per semester unless otherwise stated.

Course Title	Course No.	Notes
College/Career Research and Development 1A (Open to all 10-12 <sup>th</sup> grade students)	809200	1st year CCRD
College/Career Research and Development 1B (Open to all 10-12 <sup>th</sup> grade students)	809300	1st year CCRD
College/Career Seminar 2A	806500 CCRD students	2nd year
College/Career Seminar 2B	806600 CCRD students	2nd year
Site Based Work Experience DP A & B	544100/544200	2 <sup>nd</sup> or 3 <sup>rd</sup> yr CCRD
Internship SP A & B	781300/781600	2 <sup>nd</sup> or 3 <sup>rd</sup> yr CCRD

**CAREER EDUCATION/COLLEGE-CAREER RESEARCH DEVELOPMENT**

**College/Career Research and Development 1**

College-Career Research Development 1 offers students the opportunity to learn about the business world and career development. Students study topics relating to business such as budgeting, banking, investments, taxes, credit, insurance, consumer rights, job-seeking skills and job performance skills. Special emphasis is placed on career researching, shadowing, goal setting, interviewing techniques and resume writing. This class is appropriate for both college and work-bound students who want job experience, earn a salary, and earn credit. All **first year** CCRD students are required to register for this class. This class is open to the students 10-12<sup>th</sup> who want to get ready for their first job.

**College- Career Research Development Seminar 2**

The College-Career Research Development Seminar consists of two parts: a one period class dealing with employment, consumer and marketing topics and site based work learning experience in the local business community. In the afternoon, CCRD seminar students report to approved work sites for their site-based training. Student training plans are developed cooperatively by the CCRD teacher, student, and the employer. Students must leave school immediately after their last scheduled class and have their own transportation. Due to flexible work schedules, students who are not reporting to work during assigned site-based work experience periods are the parents or guardians' responsibility. The CCRD Program is a state-approved career development program and students must earn four credits in CCRD to satisfy state requirements. Student Service learning hours can be earned by participating in various activities.

**College/Career Research and Development Seminar 2**

College-Career Research Development 2 offers students study in managerial responsibilities and entrepreneurship. Each student will complete a management-related project. All **second year** CCRD students are required to register for this class.

## CHILD DEVELOPMENT AND EDUCATION

**Child Development and Education Internship courses comprise the Teacher Education Academy at Walt Whitman. All courses are open to both males and females. Each course includes instruction and opportunities for "hands-on" laboratory activities.**

The courses listed below are described in the course bulletin. One semester single period courses are .5 credits each and double period classes are 1.0 credits each.

### FAMILY AND CONSUMER SCIENCES

Course Title	Course No.	Notes
Child Development 1A/1B	484700/484800	Grades 9-12
Child Development 2A/2B (Advanced Level)	*488000/*488100	Grades 10-12
Child Development 3A/3B (Advanced Level)	*488200/*488300	Grades 11-12
Education Internship A/B (Advanced Level)	*488418/*488428	Grades 11-12

**Courses marked \* count toward the Certificate of Merit**

### Maryland Academy For Teacher Education at Walt Whitman High School

The Maryland Academy for Teacher Education (Education Academy) at Walt Whitman High School is an instructional program that aligns with the Interstate New Teacher Assessment and Support consortium (INTASC) and the Maryland Essential Dimensions of Teaching (EdOTs). The program prepares students for further education and careers in the education profession. The Academy program consists of courses that focus on human growth and development, teaching as a profession, learning theory, and curriculum and instruction. Students who elect to take all four courses may earn credits that are designed to articulate to a Maryland post-secondary teacher education program. Upon completion of the Academy program and passing the ParaPro test, high school graduates are ready for employment in the teaching profession. This program is based on the outcomes of the Maryland Associate of Arts in Teaching (A.A.T.) degree which aligns with the National Council for the Accreditation for Teacher Education standards (NCATE). Students may elect to take all of some of the courses in the Academy.

Course 1: Child and Adolescent Development 1A, 1B

Course 2: Child and Adolescent Development 2A, 2B

May earn 90-Clock Hour certification

Course 3: Child and Adolescent Development 3A, 3B

Course 4: Education Academy Internship A, B

May earn program completer.

May elect to take ED 101 and ED 102 for 4 college credits.

### Child and Adolescent Development 1 A/B

This course focuses on human development from birth through adolescence. In this introductory course students become part of a team of teachers for preschoolers in a lab school setting. Course content includes focus on physical growth and development, effective guidance techniques, behavior patterns, social and emotional development, and acquisition of intellect from birth through adolescence. Students participate in direct interaction with preschoolers. Study is enhanced through planning, observation, and research projects. Developmental psychologists studied include Maslow, Erikson, Freud, Adler, Montessori, Piaget, Skinner, Brazelton, Greenspan, and others. Exceptional experience is offered for students exploring future careers in education, administration, psychology, social therapy, children's literature and media, family law, and parenting. Students will begin to develop

the components of a working portfolio to be assembled upon completion of Child and Adolescent Development 2 (90-Clock Hour portfolio). Child and Adolescent Development 1 is the introductory course for the Education Academy. Grades 9 – 12. .5 credit per semester.

*Service learning credit: Students have the opportunity to earn up to 10 Service learning hours.*

*Prerequisite for Child Development 1B: Attainment of objectives for Child Development 1A*

### **Child and Adolescent Development 2 A/B (Advanced Credit)**

Students apply knowledge of physical, social, emotional, and intellectual development as they continue to develop teaching skills and assume leadership responsibilities in the lab setting. Student develop competence in creative teaching techniques, developmentally appropriate practice, program management, scheduling, meeting special needs of diverse populations, cooperative teamwork, and effective communication techniques. Students complete in-depth case studies and interact with parents of preschoolers. Applications of technology and employability skills are stressed. Upon completion of Child Development 2 and certification requirements, students may submit portfolios to earn certification in the 90-Clock Hour Program. This MSDE certification allows a student to obtain a senior staff position in licensed Early Childhood programs. Grades 10 – 12. .5 credit per semester.

*Service learning credit: Students have the opportunity to earn up to 10 Service learning hours. Successful completion of 1A, 1B, 2A and 2B enables students to apply for 90 Clock Hours Early Childhood Certification.*

*Prerequisites: Attainment of objectives of Child Development 1A and 1B and teacher approval.*

### **Child and Adolescent Development 3 A/B (Advanced Credit)**

Students continue to apply skills developed in Child and Adolescent Development 1 and 2 as they explore various career opportunities in this growing professional field. The student is self-directed through independent work with daily contact and support from the Child Development teacher. A section of the course will involve understanding and working with the school-aged child. A portfolio will be developed that features the student's personal growth and emerging career plan. Students will be assisting a nearby child care center once a month. Grades 11 – 12. .5 credit per semester.

*Prerequisites: Attainment of objectives of Child Development 1A/1B, 2A/2B, and teacher approved.*

### **Education Intern (Advanced Credit)**

The internship is the culminating course of the Education Academy program for the highly motivated student who wishes to extend experiences in the field of Education. Students will have an opportunity to integrate content and pedagogical knowledge in an educational area of interest. Students will extend and apply their knowledge about teaching in a classroom setting under the supervision of a mentor teacher for two or more periods a day at a field site. The students will complete their working portfolio and present it for critique. Concurrently with this course, 12<sup>th</sup> grade students may elect to take ED 101 and ED 102, Foundations of Education, and field placement for college credit during the first semester. Students successfully completing this component of the Education Academy Internship will earn 4 college credits by December. During the spring semester, Education Academy interns may take the Praxis 1 exam, reporting scores to post-secondary institutions, if they so desire. Students must provide their own transportation to field sites. Success in this course provides the opportunity for a career development completion credit and credits that will articulate to a Maryland post-secondary teacher education program. Grades 11-12.

*Service learning credit: Students have the opportunity to earn up to 10 Service learning hours.*

*Prerequisites: Attainment of objectives of Child and Adolescent Development 1 and 2 and teacher approval.*

## COMPUTER SCIENCE

- Lab fees will published at a later date. Each course listed is ½ credit per semester unless otherwise stated.

Course Title	Course No.	Notes
Computer Programming 1A/ 1B	*298900/*299000	Pre/co-requisite Geo
AP Computer Science Java A/B**	*290100/*290200	Prereq: Comp Prog 1B or AP Comp Science Principles
Computer Programming 3A/3B**	*296500/*296600	
Computer Science Internship A/B	290718/290728	Prereq: Teacher Rec
***Foundations of Computer Science A/B	*291600/*291700 (adv. level)	Satisfies tech ed credit
*292200/*292300 (adv. level)	POS Pathway	
***AP Computer Science Principles A/B**	*291800/*291900 (adv. level)	Satisfies tech ed credit
	*292400/*292500 (adv. level)	POS Pathway

Courses marked \* count toward the Certificate of Merit.

Courses marked \*\* are used as preparation for the AP exam.

## COMPUTER SCIENCE COURSES

**\*\*\*Within computer sciences courses, only Foundations of Computer Science A/B and AP Computer Science Principles A/B satisfies the Tech Ed credit for graduation.**

### Computer Programming 1A & 1B, Grades 9-12 (Adv. Level)

Students will write programs using structured programming techniques to solve problems. This course introduces the fundamental principles of structured programming within the context of an object-oriented language. Emphasis will be placed on developing effective problem-solving techniques through individual and team project. Students use a problem-solving approach to implement one or more large programs using the Java Language.

*Prerequisite: Geometry; Co-requisite: Honors Geometry*

### Computer Science Advanced Placement

Advanced Placement Computer Science (APCS) courses are designed for students of high academic ability who have a strong interest in computer science and who want to prepare for the AP Computer Science examinations. A qualifying score gives the student college credit or advanced standing. The topics covered normally comprise up to six semester hours included in the first year of a computer science curriculum at the college level. Projects will require both rigorous problem definition and program implementation strategies and will be written in the Java programming language. The AP examinations will also be given in Java.

### AP Computer Science Java A/B

Students use Java, an object-oriented programming language, to complete in-depth work with text files and arrays. Using existing object libraries for object-based programming, as well as developing their own objects, students will explore the power of an industry-standard programming language that is cross-platform and web-friendly. Emphasis will be placed on continuing the development of effective problem solving techniques individually and in project teams.

*Prerequisite: Computer Programming 1B or AP Computer Science Principles A/B*

### Computer Programming 3A & 3B, Advanced Topics in Computer Science, Grades 11-12 (AT, Adv. Level)

Problem-solving techniques and adaptation or development of appropriate algorithms or data structures are studied. Students may take the AB version of the AP Computer Science exam upon course completion.

*Prerequisite: Attainment of the outcomes of Computer Programming 2B*

### Computer Science Internship

If interested, see the Computer Science Resource Teacher for internship possibilities.

*Prerequisite: Teacher recommendation and coordinator permission.*

**Foundations of Computer Science A/B, Grades 9-12 (Tech Credit, Adv. Level)**

This course is part of the MSDE-approved 4-credit Program of Studies in Computer Science. The course provides an engaging introduction to computing concepts through a nationally-developed curriculum, offered through a unique partnership with Code.org. The course focuses on the conceptual ideas of computing so that students understand why tools and languages are used to solve problems through a study of human computer interaction, problem solving, web design, programming, data analysis, and robotics.

*Students may take course as part of the Computer Science Program of Study Pathway and/ or to fulfill the technology education credit towards graduation.*

**AP Computer Science Principles A/B, Grades 10-12 (Tech Credit, AP)**

This course, offered in partnership with Code.org, advances student understanding of the central ideas of computer science, engaging students in activities that show how computing changes the world. Through a focus on creativity, students explore technology as a means for solving computational problems, examining computer science's relevance to and impact on the world today. Aligned to the new AP test of the same name, this course is part of an MSDE-approved 4-credit Program of Studies in Computer Science.

*Students may take course as part of the Computer Science Program of Study Pathway and/ or to fulfill the technology education credit towards graduation.*

## ENGINEERING AND TECHNOLOGY EDUCATION

Technology Education courses offer students instruction in a variety of areas, which may lead to lifelong professional and leisure interests.

The courses listed below are described in the online course bulletin, and each course is ½ credit per semester unless otherwise noted. **Please note there are State mandated prerequisites for students in PLTW courses starting with the class of 2021. See course descriptions for more information.**

Course Title	Course No.	Notes
<b><u>Classes in the Project Lead the Way Pathway</u></b>		
Introduction to Engineering Design A/B	*515200/*515300	PLTW course, Carries Tech Ed. Graduation Credit
Aerospace Engineering A/B	572100/572200	honors, Prereq: IED, POE, DE
Civil Engineering and Architecture A/B	*425500/*425600	honors, Prereq: IED, POE, DE
Digital Electronics A/B	*515600/*515700	Prereq: IED, POE
Engineering Design and Development A/B	*515800/*515900	honors, Prereq: 4 PLTW courses
Principles of Engineering A/B	518700/518800	honors, Prereq: IED, PLTW course

### **Advanced Technology Education: only for students NOT completing 2 years foreign language**

Advanced Design Applications A/B	*280800/*280900	Prereq: FOT or IED or POE
Advanced Technological Applications A/B	*281000/*281100	Prereq: FOT or IED or POE

---

### **Courses marked \* count toward the Certificate of Merit**

#### **TECHNOLOGY EDUCATION COURSES THAT OFFER GRADUATION CREDIT:**

##### **Introduction to Engineering Design A/B (PLTW Course)**

This is an introductory course that develops students' problem-solving skills, with emphasis on visualization and communication skills using a computer and a 3-D solid modeling software. This course emphasizes the development of a design using computer software to produce, analyze, and evaluate models of projects and solutions. Students will study the design concepts of form and function and then use state-of-the-art technology to translate conceptual design into reproducible products. (Grades 9-12). *Prerequisite: Students must successfully complete IED A to enroll in IED B. Corequisite: Algebra 1. Satisfies the Tech Ed credit graduation requirement.*

##### **Principles of Engineering A/B (Honors) (PLTW Course)**

This is a broad-based survey course to help students understand engineering, engineering technology, and identify career possibilities. This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. (Grades 9-12). *Prerequisite: IED and Geometry. Students must successfully complete POE A to enroll in POE B.*

#### **ENGINEERING COURSES IN THE PLTW PATHWAY:**

##### **Aerospace Engineering A/B (Honors)**

The fields of aeronautics and aerospace engineering are the focus of this engaging course that includes topics of study such as aerospace information systems, astronautics, rocketry, propulsion, the biology and physics of space science, principles of aeronautics, structures and materials, and systems engineering. Students continue using the

national PLTW model to develop solutions to aerospace problems through the application of engineering, mathematics, and science-related knowledge. (Grades 10-12). *Class of 2021 and beyond: Prerequisite: IED and POE and DE. (Students must have completed Digital Electronics or be co enrolled in Digital Electronics to take Aerospace Engineering.) Class of 2019, 2020: Prerequisite POE.*

### **Civil Engineering and Architecture A/B (Honors)**

This course provides an overview of the fields of civil engineering and architecture, while emphasizing the interrelationship and interdependence of both fields. Students use state-of-the-art software to solve real-world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects; Project Planning; Site Planning; Building and Engineering Design; and Project Documentation and Presentation. (Grades 10-12). *Class of 2021 and beyond: Prerequisite: IED and POE and DE. (Students must have completed Digital Electronics or be co enrolled in Digital Electronics to take Civil Engineering and Architecture.) Class of 2019, 2020: Prerequisite POE.*

### **Digital Electronics A/B (Advanced Level/grade-weighted)**

This course introduces students to applied digital logic, a key element of careers in engineering and engineering technology. This course explores the smart circuits found in watches, calculators, video games, and computers. Students use industry-standard computer software in testing and analyzing digital circuitry. They design circuits to solve problems and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems. (Grades 10-12). *Prerequisite: IED and POE.*

### **Engineering Design and Development A/B (Honors)**

This is the capstone course for the Project Lead the Way (PLTW) advanced engineering program. At the end of the course, teams present their research paper and defend their projects to a panel of engineers, business leaders, and engineer college educators for a professional review and feedback. This course equips students with the independent study skills that they will need in postsecondary education and careers in engineering and engineering technology. (Grades 11-12). *Class of 2021 and beyond: Prerequisite: IED and POE and DE and either CEA or AE. May be co enrolled in DE and/or CEA and/or AE. Class of 2019, 2020: Prerequisite POE and one advanced PLTW course (AE or CEa or DE).*

## ENGLISH DEPARTMENT

**Four credits in English are required for graduation.**

The Walt Whitman High School English Department offers all of the courses required for graduation as well as some electives. English and Honors English are available to students 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grades. In 12<sup>th</sup> grade, all students take Honors English or Advanced Placement. Both AP Language and Composition, and AP Literature and Composition are offered, and are generally taken in 11<sup>th</sup> and 12<sup>th</sup> grades respectively. All these courses supply credits toward graduation. The course work at every level enables students to improve listening skills, enhance speaking skills, enrich vocabulary, access literary nuance, analyze literature, develop writing skills, and expand higher-level thinking skills. The English teachers, the English Resource Teacher, and the counselors work closely with students and parents to make certain that students enroll for the proper level of English courses.

### Important Reminders:

- ❖ Students who wish to enroll in Journalism courses must successfully complete an application process.
- ❖ Students who have passed the Intensive English Language Center (IELC) Exit Examination may register for regular English classes upon the recommendation of the Intensive English Language Center (ESOL) Resource Teacher.

**The courses listed below are described in the online course bulletin, and each is ½ credit per semester. One credit is required at each grade level.**

Course Title	Course No.	Notes
English 9A/9B	131100/131200	
English 9A Honors/ English 9B Honors	*131300/*131400	
English 10A/ English 10B	132100/132200	
English 10A Honors/ English 10B Honors	*132300/*132400	
English 11A/ English 11B	133100/133200	
English 11A Honors/ English 11B Honors	*133300/*133400	
AP English Language & Composition A/B	*101500/*101600	
English 12A Honors/ English 12B Honors	*134300/*134400	
AP English Literature & Composition A/B	*101700/*101800	

**Courses marked \* count toward the Certificate of Merit**

### Elective English Courses

The courses listed below may be taken for elective credit only. They do not carry English credit. These courses are ½ credit per semester.

Course Title	Course No.	Notes
Journalism A	115000	Grades 10-11, sem 1
Journalism B	115100	Grades 10-11, sem 2
Black & White A	*115200	Grades 11-12, sem 1
Black & White B	*115300	Grades 11-12, sem 2
Yearbook (SAGA) A	*115231	Semester 1
Yearbook (SAGA) B	*115332	Semester 2

Course Title	Course No.	Notes
Theatre 1 A/B	692600/692700	fine arts credit
Theatre 2 A/B	692800/692900	fine arts credit
Media in Society	*234400	Grades 11-12
Culture in Literature	101900	Grades 11-12
Whitman Shorts A/B (by application only)	786000/786200	(by application only)
Advanced Composition (Creative Writing A/B)	*113000/*113500	Grades 10-12
College Test Prep (Verbal/Math)	114231/114232	Sem1/Sem 2

**Courses marked \* count toward the Certificate of Merit.  
Electives without sufficient enrollment will not be offered.**

### **Theatre 1 A/B & 2 A/B**

Students gain an understanding of the entire process through which human behavior is translated into a written drama, produced as a play, and presented to an audience. The study of theatre aesthetics, history, and criticism is balanced with workshop training in acting and basic and advanced Theatre production skills. Courses should be taken in sequence and may be entered in either A or B semester. Theater 2 provides greater scope and depth of history and technique. Theatre 2 will parallel but extend beyond Theatre 1 skills.

### **Culture in Literature**

In this one-semester course, students examine texts whose authors represent cultural and ethnic groups from around the world. Through their reading of essays, poems, short stories, novels, and films, students develop a greater awareness of cultural dynamics and a deeper understanding of how cultural perspectives are reflected in literature.

### **Media in Society**

Media in Society focuses on the systematic analysis of information received through various mass media to help students develop independent judgments about media content. Students investigate The Culture of Media in an Image-Based Society; Media, Law, and Ethics; and Media and the Political Process. To complete a research project, students study a current media issue in depth and extend their knowledge of research techniques.

### **Journalism (Introduction and Advanced)**

Journalism students should have a commitment to honing their writing skills and a keen curiosity about the people, issues and events around them. The Introductory Journalism class covers reporting, news, editorial, feature and sports writing, in addition to editing, design, production, ethics, and First Amendment issues. While this course prepares students for the two print publications: *Black and White* and *Saga*, every student is not guaranteed an automatic position on her/his first choice publication.

### **Advanced Composition (Creative Writing)**

This class is for students who enjoy writing and want to take their craft to a higher level. Students will learn about a variety of genres, from poetry to short stories and “short shorts,” to memoirs, blogs, personal narratives and one-acts. A supportive workshop approach will include portfolio and peer review to provide regular feedback on work in progress so students can evaluate and revise their writing. This class will help students learn to read as writers and write as readers.

### **Yearbook (SAGA)**

An entirely student created publication, SAGA is the culmination of a year’s preparation. Students who want to join the yearbook staff as writers, photographers and/or computer specialists must apply in the spring of the year before they wish to enter the class. Selection of [student](#) staff members is based on the applicant’s skill in the pertinent area and their ability to contribute to the yearbook. Editorial positions are granted to students with identified leadership skills and at least one year of experience on the yearbook. Applicants must have taken Photography or Journalism to be considered.

### **Whitman Shorts**

The advanced broadcast journalism class is designed to prepare students for the college experience. Students who wish to participate must take journalism 1 and apply in the spring of the year before they wish to enter the class. Selection of student staff members is based on applicants’ standing from journalism 1 or strong skills in Premiere Pro and Final Cut Pro. Applicants must have taken Photography or Journalism to be considered.

### **College Test Prep: Verbal Preparation and Math Preparation**

This one-semester course is designed to improve student achievement on the verbal and math components of the PSAT, SAT-1, and the ACT. Students acquire skills related to the test formats and develop test-taking skills under simulated test conditions. Students are provided with individual and group feedback about needs revealed by these tests. They keep a record of their performance on practice tests and learn strategies for improving their individual scores.

## **INTENSIVE ENGLISH LANGUAGE CENTER (ESOL CLASSES)**

Students who require instruction in English as a Second Language, and basic instruction in required social studies courses are enrolled in ESOL classes by ability level. ESOL level classes carry English/Language Arts credits.

### **Intensive English Language Center (IELC)**

Walt Whitman has a large Intensive English Language Center, which is available to students through placement by the International Admissions Office. Students are placed in ESOL levels by standardized test or teacher recommendation only.

**Each course listed is 1/2 credit per semester. ESOL 1-5 receive English credit.**

<b>Course Title</b>	<b>Course No.</b>	<b>Notes</b>
<b>IELC - (ESOL)</b>		
ESOL LAB A	120600	
ESOL LAB B	121600	
ESOL 1A	120100	
ESOL 1B	121100	
ESOL 2A	120200	
ESOL 2B	121200	
ESOL 3A	120300	
ESOL 3B	121300	
ESOL 4A	120400	
ESOL 4B	121400	
ESOL 5A	120500	
ESOL 5B	121500	
ESOL 1A Lev. ½ - (Elective Credit)	121700	
ESOL 1B Lev. ½ - (Elective Credit)	121800	
ESOL 2A Lev. ½ - (Elective Credit)	121900	
ESOL 2B Lev. ½ - (Elective Credit)	122000	
ESOL U.S. History A (Levels 3-5)	211041	
ESOL U.S. History A (Levels 1-2)	211040	
ESOL U.S. History B (Levels 3-5)	211241	
ESOL U.S. History B (Levels 1-2)	211240	
ESOL NSL Government A - Levels 3 - 5	212740	
ESOL NSL Government B - Levels 3 - 5	212840	
ESOL – Modern World A/B	222140/222240	
TOEFL	(Sem 1) 114240 (Sem 2) 114241	
This course is designed to prepare students for the TOEFL, an exam most colleges require.		
ESOL-Biology A/B	363140/363240	
Applied Science A/B	361100/361200	

**MATHEMATICS DEPARTMENT**

**Four mathematics credits are required for graduation. Algebra 1 and Geometry must be included.**

Please consult the flowchart on the course sequence in mathematics to decide on your next math course. Your present math teacher is your best source of advice for a recommendation. The courses listed below are described in the online course bulletin, and each course is  $\frac{1}{2}$  credit per semester.

<b>Course Title</b>	<b>Course No.</b>	<b>Prerequisites</b>
Algebra 1A	311100	Math 8
Algebra 1B	311200	Algebra 1A
<hr/>		
Geometry A		320100 Algebra 1
Geometry B	320200	Geometry A
Geometry A - Honors	320300	Algebra 1
Geometry B - Honors	320400	Honors Geo A
<hr/>		
Two-Year Algebra 2A (First Year)	331500	Alg. 1 & Geom
Two-Year Algebra 2B (First Year)	331600	Algebra 2A
Two-Year Algebra 2C (Second Year)	331700	Algebra 2 A/B
Two-Year Algebra 2D (Second Year)	331800	Algebra 2 A/B/C
Algebra 2A	330100	Alg. 1 & Geom
Algebra 2B	330200	Algebra 2A
Algebra 2 --Honors A	331000	Hon. Geom.
Algebra 2 --Honors B	331100	Honors Algebra 2A
<hr/>		
Pre Calculus A	348900	Alg 2A & B
Pre Calculus B	349000	Pre Cal A
Pre Calculus --Honors A	335000	Honors Alg 2
Pre Calculus --Honors B	335100	Honors Pre Cal A
<hr/>		
Calculus with Applications A	335600	Pre Cal A & B
Calculus with Applications B	335700	Cal Apps A
AP Calculus AB – A	345200	Honors Pre Cal
AP Calculus AB – B	345300	Cal AB, Sem. A
AP Calculus BC – A	349100	Honors Pre Cal
AP Calculus BC – B	349200	Cal BC, Sem. A
Multivariable Calculus	304800/*304900	AP Calc AB or BC
Linear Algebra	342600/234022	AP Calc AB or BC
Statistics & Math Modeling (SAMM) A/B	332200/*332300	Algebra 2B
AP Statistics A/B (Adv)	332000/*332100	PreCalculus
Quantitative (Financial) Literacy A/B	312100/312200	Geometry

## **Multi-variable Calculus and Differential Equations (2<sup>nd</sup> yr. Calc)**

Material includes three-dimensional analytic geometry and vectors, the calculus of functions of more than one variable including partial derivatives, vector-valued functions, multiple integrals, volumes, surface area, and the classic theorems of Green, Stokes, and Gauss, the basic concepts, theories, methods, and applications of ordinary differential equations. The specific topics covered are first-order equations, higher-order linear differential equations, and systems of linear equations, solutions by power series, and the Laplace transform.

**MUSIC**

**One Fine Arts credit is required for graduation. All Music courses satisfy the MCPS Fine Arts requirement for graduation.**

- Each course listed is 1/2 credit per semester. Public performances during and after school hours may be required to meet course objectives. Fees will be published at a later date.

Course Title	Course No.	Notes
Guitar A/B	658500/658600	Beginning level class
Piano 1A/B (Beginning Piano)	652000/652100	Beginning level class
Piano 2A/B (Intermediate Piano)	653700/653800	
AP Music Theory & Comp. 1A/1B	*654500/654600	
Concert Orchestra A/B	685100/685200	Previous experience necessary (2 years minimum) Gr 9-12
Concert Band A/B	*682100/682200	Previous experience necessary (3 years minimum)
Symphonic Band A/B	*682600/*682700	By audition only
Jazz Ensemble A/B	*687100/*687200	By audition only; concurrent enrollment in a second ensemble is required
Percussion Ensemble A/B	683100/683200	Exp. reading music
Symphonic Orch A/B	*686600/*686700	By audition only
Wind Ensemble A/B	*686631/*686732	By audition only
Freshman Chorus A/B	670100/670200	<i>(no prerequisite)</i>
Treble Chorale 1A/B	671100/671200	Intermediate Level audition not required
Men's Chorus 2 A/B	672100/672200	Grade 10-12
Women's Chorus 3 A/B	673100/673200	Grades 11-12 Chamber
Choir A/B	*674100/*674200	Grades 11-12;
concurrent enrollment in a second ensemble is necessary for Chamber Choir		

**Courses marked \* count toward the Certificate of Merit**

### **GENERAL MUSIC COURSES**

#### **Guitar A and B**

Guitar students begin the year learning to read and play standard music notation. Next, they learn open strings chords in a variety of strumming and picking patterns. We will play a variety of songs including guitar ensemble pieces. In Guitar B we move on to some basic electric guitar techniques including barre chords and power chords, and continue improving note-reading and single line playing. Guitar B is open only to students who have successfully completed Guitar A or received permission from the instructor.

## **Piano I**

Piano I is open to students who are complete beginners or have less than one year of experience in piano. No music reading experience is necessary to enroll in this class. Students learn to read music and play pieces, chords, scales, and arpeggios. The instructor provides individualized instruction so students are allowed to move at their own pace if necessary. Piano students will learn pieces from different musical eras.

## **Piano II**

Piano II is open to students who successfully completed Piano I or have one to three years of prior piano lessons. This class is NOT appropriate for students with many years of piano experience. Students continue to improve their music-reading and playing abilities by working on chords, scales, technical studies, and appropriate piano literature. The instructor provides individualized instruction so students are allowed to move at their own pace. Students will play pieces from the Baroque, Classical, Romantic, and Contemporary eras of music.

## **AP Music Theory and Composition**

This course is for students who wish to prepare for the AP Music Theory Exam. Students will learn how to analyze music and will improve their sight-singing and dictation skills. In the first semester, students master the elements of music, music terminology, notation, major and minor scales, intervals, triads, and part writing. In the second semester, students read, write, and analyze music of increasing complexity in preparation for the AP Music Theory Exam. **PREREQUISITE:** Completion of 2 academic years of high school music classes or by permission of instructor. Strong music reading skills are essential; a piano background is especially helpful.

## **INSTRUMENTAL MUSIC COURSES**

### **All Ensembles**

Instruction includes developing technical performance skills and appreciation for the music of different cultures. Students who are beginning an instrument or who are experienced musicians will all be challenged by participation in band/orchestra. Lessons, musical literature, and performance opportunities in band, marching band, and orchestra are available for experienced music students.

### **Percussion Ensemble**

This class is open to all students with experience in reading music. Percussionists and pianists will particularly enjoy this class. Students in the Percussion Ensemble will improve their individual playing skills and also learn to play in a large percussion ensemble. Students will learn to play a variety of percussion instruments including snare drum, bass drum, tom toms, xylophone, marimba, timpani, cymbals, and many auxiliary instruments (the “toys” of the percussion section). This will be a performing ensemble and will perform in at least two Music Department concerts.

### **Concert Band**

This group is for 9<sup>th</sup> grade musicians with more than one year of experience and its members are also required to perform at home football games. This ensemble will perform at the Winter Instrumental Concert and the Festival of the Arts.

### **Concert Orchestra**

Any student who has played an orchestra string instrument for two or more years is eligible to join Concert Orchestra. This ensemble will perform at the Winter Instrumental Concert and the Festival of the Arts.

### **Symphonic Band**

This advanced performing group is for upper level musicians who meet the audition requirements. Symphonic band is a traveling, competing group. Symphonic band members are required to perform at home football games during the fall. Honors credit is now available in this class and the full marching rehearsals and performances fulfill the honors requirements for extracurricular musical activities. This ensemble will perform at the Winter Instrumental Concert, Festival of the Arts, District and State Festivals and the spring trip.

### **Symphonic Orchestra/Wind Ensemble**

This ensemble is for upper level musicians who meet the audition requirements. Symphonic Orchestra and Wind Ensemble are a traveling, competing group and members are chosen to make up the pit orchestra for the fall musical. This ensemble will perform at the Winter Instrumental Concert, Festival of the Arts, District and State Festivals and the spring trip.

### **Jazz Ensemble**

This is the most selective of the music ensembles. Participation is by audition only. The jazz ensemble has the heaviest performance schedule of all instrumental groups. The Jazz Ensemble is also required to march at home football games. This ensemble will perform at the Winter Instrumental Concert and the Festival of the Arts. This is a double period commitment with membership also required in Symphonic Band, Symphonic Orchestra, or Wind Ensemble.

## **CHORAL MUSIC COURSES**

### **Freshman Chorus A and B**

This ensemble is open to all 9<sup>th</sup> grade students. No audition is required. Vocal techniques such as tone, intonation, and breath support will be emphasized as well as sight singing. A wide variety of music will be studied and performed. Performances will include the Winter Choral Concert and Festival of the Arts.

### **Treble Chorale/Chorus 1A and 1B**

This ensemble is open primarily to sophomore and junior girls as an intermediate level step to the upper level auditioned ensembles. Junior and senior girls who do not want the pressure of the more advanced groups are also welcome. No audition is required. Students will purchase their own concert gowns. Performances will include the Winter Choral Concert, District Festival, the Spring Music trip, and the Festival of the Arts.

### **Men's Chorus/Chorus 2A and 2B**

This select ensemble is open to all boys grades 10-12. No audition is required, however previous music expertise is encouraged. The group will perform at the Winter Choral Concert, Festival of the Arts, District and State Festivals, and the spring music trip.

### **Women's Chorus/Chorus 3A and 3B**

This select ensemble is open to all girls' grades 11-12. An audition is required. The group will perform at the Winter Choral Concert, Festival of the Arts, District and State Festivals, and the spring music trip.

### **Chamber Choir**

This is the most advanced and select ensemble in the choral program. It is open to boys and girls grades 11-12 who have at least one year of previous experience in one of the other choral courses. An audition is required. In addition to the same performances as Men's and Women's choruses, a number of community performances will also be given throughout the year. This is a double period commitment, with membership also required in Men's or Women's chorus.

## PHYSICAL EDUCATION DEPARTMENT

**One credit in Physical Education and 1/2 credit in Health are required for graduation.**

- Each course listed is 1/2 credit per semester.

Course Title	Course No.	Notes
Net Games A	773731	(gr. 9-12) Semester 1
Net Games B	773732	(gr. 9-12) Semester 2
Comprehensive Health Education Honors	784131 (Sem 1) 784132 (Sem 2)	Grade 10
Specialty Basketball A	774231	(gr. 9-12) Semester 1
Specialty Basketball B	774232	(gr. 9-12) Semester 2
Specialty Soccer A	774831	(gr. 9-12) Semester 1
Specialty Soccer B	774832	(gr. 9-12) Semester 2
Strength and Conditioning (WT) A	775231	(gr.9-12) Semester 1
Strength and Conditioning (WT) B	775232	(gr.9-12) Semester 2
Personal Fitness A	774531	(gr 9-12) Semester 1
Personal Fitness B	774532	(gr. 9-12) Semester 2
Ultimate Games A	775031	(gr 9-12) Semester 1
Ultimate Games B	775032	(gr 9-12) Semester 2
Leadership Opp in Physical Education	770031	(gr 9-12) Semester 1
Leadership Opp in Physical Education	770032	(gr 9-12) Semester 2

### PHYSICAL EDUCATION COURSES

#### Net Games - Grades 9-12

This course is designed to provide students with a foundation for a variety of lifetime sports related to net games. During the course students will gain an understanding of the various skills and strategies utilized in playing badminton, pickle ball, tennis, volleyball, and other net related games. Students will be instructed on how to perform skills, drills, and game tactics.

#### Comprehensive Health Education- Honors

Comprehensive Health Education emphasizes lifelong positive health related attitudes and behaviors that promote self-regulation for all students while promoting health literacy. Health literate students have the knowledge, skills, and ability to maintain and enhance personal health and fitness, create and maintain safe environments, and manage personal and community resources. Life skills emphasized throughout the program include goal-setting; decision-making; identifying beliefs, attitudes, and motivations; assessing information; and advocacy for personal, family, and community health. In accordance with the Code of Maryland Regulation (COMAR 13A.04.18) and MCPS Regulation IGP-RA, Comprehensive Health Education Instructional Program, a student will participate in FLHS and DPC instruction unless written parent/guardian permission is submitted excluding the student from receiving instruction related to human sexuality and/or sexually transmitted diseases, including HIV/AIDS. Please note that passive parental consent is implied unless the health education teacher is notified in writing otherwise.

#### Specialty Basketball - Grades 9-12

This course is designed to provide students with an understanding of the various skills and strategies utilized in playing the game of basketball. Students will be instructed in how to perform basketball drills and plays. They will also be expected to develop their own drills and plays with the expectation to design a practice plan. Students will be assessed on a variety of skills as well as fitness.

**Specialty Soccer - Grades 9-12**

This course is designed to provide students with an understanding of the various skills and strategies utilized in playing the game of soccer. Students will be instructed in how to perform soccer drills and plays. They will also be expected to develop their own drills and plays with the expectation to design a practice plan. Students will be assessed on a variety of skills as well as fitness.

**Strength and Conditioning (WT) - Grades 9-12**

This course includes instruction in proper use and safety of weight training equipment and various principles and methods of strength training. Instruction will also focus on the understanding of basic anatomy and physiology, and body composition. Programs will be designed to meet the individual needs of the student. Fitness will be incorporated into the student's individual weight training program.

**Personal Fitness – Grades 9-12**

This course is designed for students who would like to improve and/or maintain a healthy fitness level. The course will build on the five components of fitness which are: cardiovascular fitness, muscular strength, muscular endurance, body composition and flexibility as well as proper nutrition. By the end of the course students will be able to design their own fitness program that addresses their personal needs. This class will benefit athletes who wish to train for their sport as well as students that are interested in improving their overall health and fitness. The course will include strength training, cardiovascular workouts, Pilates, and basic yoga poses, balances, and core components.

**Ultimate Games – Grades 9 -12**

This course is designed to provide students with an understanding of the various skills and strategies utilized in playing – ultimate football; flag football; capture the flag; ultimate Frisbee and other related games. Students will be instructed in how to perform skills, drills, and game tactics. Fitness assessments and homework assignments will be incorporated into all aspects of this course.

**Leadership Opportunities in Physical Education – Grades 9 -12**

This semester-long course is designed to develop leadership skills within the physical education setting for individuals interested in pursuing careers in education/teaching or physical therapy. Throughout the course, participants will have the opportunity to assist students who have various physical and learning disabilities in their development of sport/movement skills and fitness. Participants will explore and analyze a variety of disabilities and develop sport/recreation goals or fitness plan for his or her peer with a disability.

## SCIENCE DEPARTMENT

**Three science credits are required for graduation. One must be a Biology credit course and one must be a Physical Science credit course. State requirements for the type of science classes taken are changing for students graduating in 2021. Those changes will be announced in the spring. Students graduating in 2020 will need to pass the Maryland Integrated Science Assessment (MISA) exam given in spring of 11th grade or score 3 or higher on one AP science exam.**

Three credits in science are needed for graduation. Most students at Whitman take four or more sciences before they graduate. Hopefully, that is because students enjoy the classes, find them meaningful, and find electives that fit their interests. There is an option for students to “double up” and take more than one science course in a year if it fits in your schedule. See the MCPS website for specific course indicators and outcomes. Applied Science is for English language learner (ELL) students who need extra support, particularly in reading and/or math, and may not be ready to take the Biology in ninth grade. Transfer students who have not completed Biology are required to take Biology if they have not completed it at their previous school.

- Grade 9 most students take Biology (Regular or Honors) Grade 9 or 10)[Meets Biology requirement]
- Grade 10 most students take Chemistry (Environmental, Regular, or Honors) [Meets Physical Science requirement]
- Grade 11 and 12 most students take Physics (Regular, Honors, or in rare cases AP Physics 1f or seniors) or an AP Science class. Science electives are also available. There are six AP science offerings and a variety of other science electives to choose from.

Honors vs On-level science classes: One commonly asked question is, “What is the difference between honors and regular (on-level) science classes?” In general, 70% - 80% of the content is the same but Honors classes cover more concepts in each unit and go deeper into those concepts. In Honors classes students are expected to be more independent and assignments, both in and out of class, require students to apply concepts learned to new examples and situations more broadly than on-level classes. The reading level of materials is typically higher with longer passages.

### Foundations of Biomedical Science Program (FBS)

The Walt Whitman Foundations of Biomedical Sciences Program’s vision is provides a strong academic and practical foundation for students who want to pursue careers and further their study in medicine and biomedical science. We have been approved to offer this program with details of practical experiences to be worked out in the spring of 2018. See the Science Resource Teacher for more information. The program is open to all in good standing.

#### FBS Academic Foundation (Grade of B or better is expected)

##### Core Classes (6 credits)

- Biology
- Chemistry
- Physics
- Anatomy and Physiology
- AP Biology double period - 2 credits

##### Advanced Electives (Minimum any 2 credits)

- Biotechnology and Bioengineering
- Molecular Biology (first offered 2019-2020)
- Science Internship - single or double period
- AP Chemistry double period - 2 credits
- Public Health (first offered 202?, dependent on staffing and interest)

**FBS Practical Experiences:** Details and requirements (initial year) will be determined in the winter of 2019.

- Sample students activities may include: Attend Seminars and speakers from medical professionals, shadowing medical professionals, volunteer at health related events, and summer internships.
- Students will be asked to keep an electronic journal of their experiences, develop of portfolio of artifacts from each class and experience.

Course Title	Course No.	Notes
<b><u>Biology Classes</u></b>		
Applied Science A/B	361100	Grade 9-11 ELL only
Applied Science B	361200	Grade 9-11 ELL only
Biology A	#363100	
Biology B	#363200	
Biology A (Honors)	*#362100	Recommended math: Hon Geom
Biology B (Honors)	*#362200	Recommended math: Hon Geom
Biology A AP Double Period	*#365100	Prereq. Biology, Chemistry, and
Biology B AP Double Period	*#365200	Alg 2
<b><u>Chemistry Classes</u></b>		
Environmental Chemistry A	*376600	
Environmental Chemistry B	*376700	
Chemistry A	*372100	
Chemistry B	*372200	
Chemistry A (Honors)	*371100	Recommended math: Hon Alg 2
Chemistry B (Honors)	*371200	Recommended math: Hon Alg 2
Chemistry A AP Double Period	*375100	Prereq. Biology, Hon Chemistry,
Chemistry B AP Double Period	*375200	and Hon Alg 2
<b><u>Physics Classes</u></b>		
Physics A	*383100	Physics of Earth and Space
Physics B	*383200	Physics of Earth and Space
Physics A (Honors)	*382100	Rec. math: Hon PreCalc
Physics B (Honors)	*382200	Rec. math: Hon PreCalc
AP Physics 1A/1B Double Period	*389100/*389200	Highly rec. math: Hon PreCalc 1 credit for 1A/B Semester 1 only
AP Physics 2A/2B Double Period	*389300/*389400	Highly rec. math: Hon PreCalc 1 credit for 2A/B Semester 2 only
AP Physics C-A	*383900	Single period
AP Physics C-B	*384000	Single Period
AP Physics C-DP-A Double Period	*385100	Must be in or completed Calculus Prepares for Mechanics APC test
AP Physics C-DP-B Double Period	*385200	Must be in or completed Calculus Prepares for Electricity and Magnetism APC test

**Courses Marked \* count toward the Certificate of Merit**

**Courses Marked # students should expect to dissect preserved animals or request alternatives.**

Course Title	Course No.	Notes
<b><u>Science Electives</u></b>		
Anatomy & Physiology A	*#376100	Completion or current
Anatomy & Physiology B	*#376200	enrollment of Chemistry.
Astronomy A	385600	Open to all students.
Astronomy B	385700	Open to all student
Biotechnology & Bioengineering A	363600	Grade 11 or 12 only

Biotechnology & Bioengineering B	363700	Grade 11 or 12 only
Environmental Science A AP	*365900	Grade 11 or 12 only
Environmental Science B AP	*366000	Grade 11 or 12 only
Geoscience A	357600	Open to all students.
Geoscience B	357700	Open to all students.
Introduction to Forensic Science A	400100	Grade 11 or 12 only
Introduction to Forensic Science B	400200	Grade 11 or 12 only
Internship – Science A	*351100	Off Campus, Must complete application and be approved
Internship – Science B	*351200	Off Campus, Must complete application and be approved.
Internship-Science A - Double Period	*352100	Off Campus, Must complete application and be approved.
Internship-Science B - Double Period	*352200	Off Campus, Must complete application and be approved.
Molecular Biology A	*3657	Grade 11 and 12 only new 2019
Molecular Biology B	*3658	Grade 11 and 12 only new 2019

---

**Courses Marked \* count toward the Certificate of Merit**

**Courses Marked # students should expect to dissect preserved animals or request alternatives.**

*See the Montgomery County Public Schools Course Bulletin for a description of each of these classes.*

<http://coursebulletin.montgomeryschoolsmd.org/>

### **Finding the Right First Year Biology Course (most 9th grade students)**

The following chart may help you determine the focus and work-load that is right for you in biology.

<b>Course</b>	<b>Overview</b>	<b>Workload</b>	<b>Math Expectations</b>
On-level Biology	Takes a project-based approach to learning concepts of Biology. More support to learn and understand concepts is given by the teacher as compared to Honors Biology.	Homework 2-3 times per week. More focus on formative assessments and projects that demonstrate learning. Expect one lab per week.	Most math involves Alg 1 level problems, and using graphs to show data. Students focus on making sense of data by making, reading, and interpreting graphs. Recommended math: Alg 1 or Geometry.
Honors Biology	Covers more concepts and has deeper depth than On-level Biology. Most students who struggle have a hard time with the length and complexity of reading assignments and applying concepts to new situations.	Homework 3-4 nights a week. Outside of class time is spent on Worksheets, Completing labs, and Preparing for tests. Expect one lab per week.	More and varied math problem-solving problem, usually involving data. More independence is expected as compare to regular biology. Recommended math: Hon Geometry.
Applied Science	For ESOL Students only. ESOL Level 1 and some Level 2 students. See your counselor or more information.	Focus on basic vocabulary and concepts while strengthening English skills.	Lots of support is given in working with numbers and data. Recommended math: Alg 1 or Geometry.

### Finding the Right First Year Chemistry Course (most 10th grade students.)

The following chart may help you determine the focus and work-load that is right for you in Chemistry

Course	Overview	Workload	Math Expectations
Environmental Chemistry	For students who need more support in combining science concepts with problem solving. Focuses on how environmental issues through chemistry	Homework 2-3 times per week. More focus on formative assessments and projects that demonstrate learning. Expect one lab per week to 1 ½ weeks..	More support and more practice is given for math problems as compared to other Chemistry classes. Pace is a little slower. Recommended math: Geometry
On-level Chemistry	Takes a project-based approach to learning concepts of Chemistry. More support to learn and understand concepts is given by the teacher as compared to Honors Chemistry.	Homework 2-3 times per week. More focus on formative assessments and projects that demonstrate learning. Expect one lab per week to 1 ½ weeks..	Most math involves Alg 1 level problems where you plug numbers into given formulas and solve for an unknown. Recommended math: Alg 2
Honors Chemistry	Merges a mathematically word-problem approach with a project-based approach to learning concepts. Solving math problems makes up a large part of student assessments. Pace of course is faster and has more depth than On-level Chemistry.	Homework 3-4 nights a week. Outside of class time is spent on Worksheets, Completing labs, and Preparing for tests. Expect one lab every week to 1 ½ weeks.	More and varied math problem-solving problems. Concepts build upon one another so what you learn in fall you use throughout the year.

### Finding the Right First Year Physics Course (11th or 12 grade students, some 10th graders)

The following chart may help you determine the focus and work-load that is right for you in physics.

Course	Overview	Workload	Math Expectations
On-level Physics	Physics of Earth and Space. Most 11th graders will take on-level physics starting in 2018-2019.	Homework 2-3 times per week. More focus on formative assessments and projects that demonstrate learning. Expect one lab per week.	Most math involves Alg 1 level problems where you plug numbers into given formulas and solve for an unknown. Recommended math: Alg 2
Honors Physics	Merges a mathematically word-problem approach with a project-based approach to learning concepts. Solving math problems makes up a large part of student assessments. Prepares students for AP Physics and college physics.	Homework 3-4 nights a week. Outside of class time is spent on Worksheets, Completing labs, and Preparing for tests. Expect one lab every week to 1 ½ weeks.	More and varied math problem-solving problems. Involves some trig functions. Recommended math: Hon PreCalc or strong performance in math and Hon. Alg 2.
AP Physics	If you have not taken physics before this option is available to seniors on a case by case	Homework 5 nights a week. Expect 3-4 labs a	Heavy math problem solving. Recommended math: very strong performance in math, Hon PreCalc

1&2 Double period	basis.	quarter.	
-------------------------	--------	----------	--

**SOCIAL STUDIES DEPARTMENT**

**Three Social Studies credits are required for graduation: one U.S. History; one National, State, and Local Government; and one Modern World History.**

The courses listed below are described in the online course bulletin, and each course listed is ½ credit per semester.

Course Title	Course No.	Notes
<b>Grade 9</b> <i>Students are required to take United States History A and B or AP US history A and B towards graduation.</i>		
United States History A/B	211000/211200	
United States History A/B (Honors)	*211100/*211300	
<b>Grade 10</b> <i>Students are required to take National, State, Local Government A and B towards graduation.</i>		
National, State, Local Government A/B (Honors)	*212700/*212800	
AP National, State, and Local Govt. & Politics A/B	*210400/*210500	(grades 9-12)
<b>Grade 11 or 12</b> <i>All students are required to take Modern World History or AP World History for graduation, and either course may be taken in 11<sup>th</sup> or 12<sup>th</sup> grade.</i>		
Modern World History A/B	*222100/*222200	
Modern World History A/B (Honors)	*222300/*222400	
AP World History A/B	*224000/*224100	

**Courses marked \* count toward the Certificate of Merit**

**SOCIAL STUDIES ELECTIVE COURSES**

Course Title	Course No.	Notes
AP Comparative Government A/B	213200/214500	
AP MicroEconomics/AP MacroEconomics	*231600/*231500	
European History, AP A/B	*221600/*221700	
United States History, AP A/B	*211400/*212400	
Comparative Religions	*232000	Semester 1
Sociology	*231400	Semester 2
Philosophy	*231131/*231132	Sem 1/Sem 2
Law	*231200	Semester 2
AP Psychology A/B	*233000/*233100	
Psychology Journal	233431/233432	
AP Human Geography A/B	233200/233300	
Student Leadership A/B	233900/234000	(by application)

**Courses marked \* count toward the Certificate of Merit**

**SOCIAL STUDIES ELECTIVE COURSE DESCRIPTIONS**

**AP Comparative Government A and B**

"Comparison is fundamental to all human thought." In a world made smaller by instantaneous communication and interdependent economies, comparative analysis is a necessary part of civic education. AP Comparative Government will provide students with the conceptual tools necessary to develop an understanding of some of the world's diverse political structures and practices. Students will look closely at world events, old and new, while also studying the evolution of multinational treaties and peacekeeping organizations. Included in this course will be the study of six core countries including Great Britain, France, China, Russia, Germany, and Japan, as well as four developing countries including India, Mexico, Nigeria, and Iran. (Grades 11-12)

### **AP Economics Micro/Macro**

This course is for students interested in college-level work in economics. Study begins with fundamental economic concepts such as scarcity, opportunity costs, production possibilities, specialization, comparative advantage, demand, supply, and price determination. Major topics include measurement of economic performance, national income and price determination, and international economics and growth. Both macro and micro-economics are covered. (Grades 11-12)

### **AP Psychology**

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Students will use the scientific method to analyze bias, evaluate claims and evidence and effectively communicate ideas. (Grades 11-12)

### **AP Human Geography**

Human Geography focuses on the aspects of geography that relate to different cultures, with an emphasis on cultural origins and movements and the cultural characteristics of regions including language, religion, ethnicity, politics, historical development, agricultural methods, settlement patterns, and quality of life. (Grades 11-12)

### **Comparative Religions**

The basic elements and historical development of world religions are surveyed in this course and units are organized with a comparative approach. Topics include the sacred paths of North America and Africa, South Asia (Hinduism and Buddhism), East Asia (Confucianism, Daoism and Shinto), the Mediterranean (Ancient Egypt, Mesopotamia, Greece and Persia and the Abrahamic Faiths (Judaism, Christianity, and Islam). Relevant contemporary topics from the mass media will be covered as well. (Grades 11-12)

### **Philosophy**

This course acquaints students with the discipline and history of philosophy. Major philosophers and their works are studied with focus on such issues as the nature of the universe; the basic moral and intellectual superstructure of society; good and evil; free will and determinism; and the relationship of a person to other individuals and to the state. Current trends in philosophy are studied as well. (Grades 11-12)

### **Sociology A/B**

Sociology is the study of human groups and the factors that unite or divide them. Topics include the sociological perspective, culture, normative expectations, the process of socialization, status and role, groups and institutions, marriage and the family, education, deviance and crime, inequalities of race, ethnicity, gender and age, and social change. Relevant contemporary topics from the mass media will be covered as well. Grades 11-12)

### **Global Issues in the 21<sup>st</sup> Century A/B**

Students use media resources that relate to intercultural and international topics to learn about the diversity, complexity and interdependence of the world community. This provides the necessary background to analyze the political, economic, social and cultural aspects of current world problems and issues in relation to the policies of the American government. The course helps students make connections to our global society. (Grades 11-12)

### **Student Leadership**

This course is designed to give students a variety of classroom and practical experiences in leadership. Admission to this class is limited and based on an application process in the spring. (Grades 10-12)

## WORLD LANGUAGES DEPARTMENT

**Either two World Language credits or two Advanced Technology Education credits satisfy the requirement for graduation.**

The world languages program at Walt Whitman is designed to enable students to use oral and written language for meaningful and culturally appropriate communication in the situations they are most likely to encounter. The program helps students appreciate linguistic and cultural diversity as they acquire the knowledge, skills, and attitudes necessary for effective participation in an economically, socially, and politically interdependent world. Detailed descriptions of the various levels of world languages classes may be found in the MCPS Course Bulletin and in the World Language tip sheet on the WWHS homepage.

Two years of world languages study meet the graduation requirement in MCPS. A sequence of at least three years of a world language is recommended for a College Prep program; however, students are encouraged to continue their study of world languages until they have achieved a high level of proficiency. Levels 3 and 4 Spanish and French may be taken as regular or honors courses. Course offerings are subject to how many students are requesting the courses. **Courses with low enrollments may need to be cancelled.** Parents should contact the resource teacher, Rebecca Zatz, for information on placement.

Level 5 and all AP classes are part of the Honors Program Registration information for the Honors Program at Whitman is included in this bulletin. Students wishing to sign up for AP classes must have the signature/approval of the World Language Resource Teacher, unless they are following the regular course sequence.

Please note that specific language options for each school year are based on course enrollment.

### WORLD LANGUAGE COURSES

The courses listed below are described in the online course bulletin, and each course listed is ½ credit per semester.

Course Title	Course No.	Notes
French 1A/ French 1B	161100/162100	
French 2A/ French 2B	161200/162200	
French 3A/ French 3B	*161300/*162300	
French 3A (Honors)/ French 3B (Honors)	*163300/*164300	
French 4A/ French 4B	*161400/*162400	
French 4A (Honors)/ French 4B (Honors)	*163400/*164400	
French 5A (Advanced)/ French 5B (Advanced)	*161500/*162500	
French AP Language A/ French AP Language B	*163500/*163600	
Spanish 1A/ Spanish 1B	171100/172100	
Spanish 2A/Spanish 2B	171200/172200	
Spanish 3A/ Spanish 3B	*171300/*172300	
Spanish 3A (Honors)/ Spanish 3B (Honors)	*173300/*174300	
Spanish 4A/ Spanish 4B	*171400/*172400	
Spanish 4A (Honors) Spanish 4B (Honors)	*173400/*174400	
Spanish 5A (Advanced)/Spanish 5B (Advanced)	*171500/*172500	
Spanish AP Language A/Spanish AP Language B	*175900/*176000	
Spanish AP Literature A/Spanish AP Literature B	*176100/*176200	

<b>Course Title</b>	<b>Course No.</b>	<b>Notes</b>
Arabic 1A/Arabic 1B	158900/159000	
Arabic 2A/Arabic 2B	159100/159200	
Arabic 3A/Arabic 3B	*189900/*190000	
Arabic 4A/Arabic 4B	*169600/*169700	
Russian 1A/Russian 2B	185100/185200	
Russian 2A/ Russian 2B	185300/185400	
Russian 3A (Honors)/ Russian 3B (Honors)	*184600/*184700	
Russian 4A (Honors)/ Russian 4B (Honors)	*184800/*184900	
Russian 5A/Russian 5B	*185900/*186000	
Russian 6A/Russian 6B	<b>186100/186200</b>	
Japanese 1A/Japanese 1B	183100/183200	
Japanese 2A/Japanese 2B	183300/183400	
Japanese 3A (Honors)/Japanese 3B (Honors)	*183900/*184000	
Japanese 4A (Honors)/Japanese 4B (Honors)	*184100/*184200	
Japanese 5A (Advanced)/Japanese 5B (Advanced)	*184300/*184400	
AP Japanese Language A/AP Japanese Language B	*153900/*154000	
Italian 1A/ Italian 1B	198100/198200	
Italian 3A (Honors)/ Italian 3B (Honors)	*198900/*1990 00	
Italian 4A (Honors)/ Italian 4B (Honors)	*199100/*199200	
Italian 5A (Advanced)/ Italian 5B (Advanced)	*179400/*179500	
AP Italian Language and Culture	194500/194600	
Chinese 1A/Chinese 1B	187100/187200	
Chinese 2A/Chinese 2B	187300/187400	
Chinese 4A (Honors)/Chinese 4B (Honors)	*192700/*192800	
Chinese 5A (Honors)/Chinese 5B (Honors)	*187900/188000	
Chinese 6A (Honors)/Chinese 6B (Honors)	<b>188100/188200</b>	
AP Chinese Language A/ AP Chinese Language B	*192900/*193000	
American Sign Language 1A/ American Sign Language 1B	159600/159700	
American Sign Language 2A/ American Sign Language 2B	159300/159400	
American Sign Language 3A/American Sign Language 3B	*164000/*164100	
Latin 1A/Latin 1B	<b>181100/182100</b>	
Latin 2A/Latin 2B	<b>181200/182200</b>	

---

**Courses marked \* count toward the Certificate of Merit**

**ADDITIONAL COURSES**

**Each course listed is 1/2 credit per semester unless otherwise noted.**

Course Title	Course No.	Notes
Student Assistant A	060000	Assist in school, sem 1
Student Assistant B	070000	Assist in school, sem 2
Student Internship A	781300	
Student Internship B	781600	
Student Internship DP A	781800	Double Period
Student Internship DP B	781900	Double Period
Student Internship TP A	782200	Triple Period
Student Internship TP B	782300	Triple Period
Designated Hitter Internship A	233931	Work with students in LFI/SCB
Designated Hitter Internship B	234032	Work with students in LFI/SCB
College Class	035098/035099	(UMD, MC)
Resource A/B	793391/793492	Special Education Resource class
Human Behavior (GO)	783431/783432	“Get Organized” course

**Courses marked \* count toward the Certificate of Merit**

