

Addendum to the 2016-2017 High School Educational Planning Guide

The following courses have prerequisites that are not listed or are incomplete in the hard copy High School Planning Guide.

Business Education

5067	Business Capstone-Accounting	Successful completion of and/or concurrent enrollment in: 5000 Principles of Business Administration and Management, 5050 Principles of Accounting, and 5060 Advanced Accounting.
5160/5165	Advanced Business Management	Successful completion of both 5000 Principles of Business Management and 5050 Principles of Accounting with a 70% or higher.
5167	Business Capstone-Business Management	Successful completion of and/or concurrent enrollment in: 5000 Principles of Business Administration and Management, 5050 Principles of Accounting, and 5160 Advanced Business Management.
5179	AP Microeconomics	Instructor's approval.

CTA Pathways

Course Number	Course Name	Prerequisite
8060	Academy of Health Professions I	Successful completion with a grade of 70% or higher in Biology (4204 or 4207). Enrollment based on completion of an application and interview.
8112	Plumbing II	8111 – Plumbing 1 with a grade of 70% or higher and teacher recommendation.
8122	Heating, Ventilation, Air Conditioning (HVAC II)	Successful completion of Heating, Ventilation, Air Conditioning I (8121) with a grade of 70% or higher and teacher recommendation.
8360	Cosmetology I	Enrollment is based on an evaluation of a student interview and an admission test.
8940	Service Technician I	Students must file an application for admission into the program, take a math test, a mechanical aptitude and reading test, have at least a 70% over-all GPA and 90% attendance last year. Students must have acquired a minimum of two credits in math and be concurrently enrolled in a third math course in order to register for Service Technician I.
8950	Service Technician II	Successful completion of Service Technician I (8940) with a grade of 70% or higher and teacher recommendation.

English

Course Number	Course Name	Prerequisite
1309/1309o	AP English Language and Composition	Attainment of a grade of 80% or higher average in all prior required English courses, enrollment in Honors English during the prior school year, and the recommendation of the most recent departmental instructor.
1409/1409o	AP English Literature and Composition	Attainment of a grade of 80% or higher average in all prior required English courses, enrollment in Honors English during the prior school year, and the recommendation of the most recent departmental instructor.
1540	Journalism III: Advanced Broadcasting	Successful completion of Journalism II: Broadcasting (1510) and Journalism III instructor's recommendation and determination that the student will hold a production leadership post on the broadcast staff.
1550	Journalism III: Advanced Newspaper/Newsmagazine	Successful completion of Journalism II: Newspaper (1520) and Journalism III instructor's recommendation and determination that the student will hold an editorial leadership post on the publication staff.
1560	Journalism III: Advanced Yearbook	Successful completion of Journalism II: Yearbook (1530) and Journalism III instructor's recommendation and determination that the student will hold an editorial leadership post on the publication.

Fine Art

Note: The prerequisite for **ALL** Visual Arts courses, except Photography, is the successful completion of Art and Design (6100) with a grade of 70% or higher. This prerequisite may be waived if a student has successfully completed (with a grade of 80% or higher) a middle school art class and has a teacher recommendation.

Course Number	Course Name	Prerequisite
6200	Studio Art	Recommendation of an art instructor.
6135	Sculpture II	Successful completion of Sculpture I (6130) with a grade of 70% or higher.
6300	Music Theory	Ability to read music and instructor's recommendation.
6310	Chorale	Recommendation of the instructor after an audition.
6340	Chamber Chorus	Recommendation of the instructor after an audition.
6350	Music Theatre	Recommendation of the instructor after an audition.
6360	Concert Chorus	Previous experience and recommendation of the instructor after an audition.
6410	Symphonic Band	At least two years of previous instrumental experience and the recommendation of the instructor after an audition. To enroll in this course, a student and his or her parent or guardian will be required to sign a contract with the school in which course expectations are outlined.
6420	Wind Ensemble	Previous advanced instructional experience and recommendation of the instructor after an audition. To enroll in this course, a student and his or her parent or guardian will be required to sign a contract with the school in which course expectations are outlined.
6430	Jazz Ensemble	Recommendation of the instructor after an audition.
6440	String Orchestra	Teacher recommendation and 2 years previous instrumental instruction.
6445	Advanced Orchestra	Two years previous instrumental instruction, and recommendation of the instructor after an audition.
6450	Brass Ensemble	Recommendation of the instructor after an audition.
6470	Percussion Ensemble	Recommendation of the instructor after an audition.
6475	Symphony Orchestra	Teacher recommendation.

Math

Course Number	Course Name	Prerequisite
3207	Honors Geometry	Completion of Algebra I (3125) with a grade of 80% or higher and teacher recommendation.
3135	Academic Algebra II	Successful completion of Academic Algebra 1 (3125/3725) or Comprehensive Algebra (3123/3723).

Physical Education

Course Number	Course Name	Prerequisite
7100	Basic Athletic Training	Completion of Physical Education graduation requirement course and successful completion of Biology with a grade of 70% or higher.

Preparatory Courses

Course Number	Course Name	Prerequisite
1040S	Honors Writing for Advanced Courses and College	Successful completion of most recent English and social studies courses with a grade average of 70% or better and teacher recommendation.

Curriculum for Agricultural Sciences Education

Course Number	Course Name	Prerequisite
8037	Animal and Plant Biotechnology	8035 Introduction to Agriculture, Food, and Natural Resources (AFNR) AND 8036 Principles of Agricultural Science-Animal (ASA). Concurrent enrollment in 8036 is sufficient as well.
8038	Agricultural Business, Research, and Development	8035 Introduction to Agriculture, Food, and Natural Resources (AFNR), 8036 Principles of Agricultural Science-Animal (ASA), AND 8037 Animal and Plant Biotechnology. Concurrent enrollment in 8037 is sufficient as well.

Project Lead The Way-Biomedical Sciences

Course Number	Course Name	Prerequisite
8025	Principles of the Biomedical Sciences	Successful completion or concurrent enrollment in Biology.

Teacher Academy of Maryland (TAM)

Course Number	Course Name	Prerequisite
5520	Foundations of Curriculum and Instruction	Successful completion of Human Growth and Development Through Adolescence (5500) AND Teaching as a Profession (5510).

Science

Course Number	Course Name	Prerequisite
4209	AP Biology	Successful completion of Biology (4204) or Honors Biology (4207) and Chemistry (4304 or 4307) with a grade of 80% or higher and concurrent enrollment in Biology Laboratory (4210) Also, attainment of an 80% or higher average in all prior science courses and the recommendation of the most recent departmental instructor is required.
4309	AP Chemistry	Successful completion of Honors Chemistry (4307) or Chemistry (4304) with a grade of 80%, or Pre AP PhysChem (4408) with a grade of 75% or higher, and concurrent enrollment in Chemistry Laboratory (4310) Also, attainment of an average grade of 80% or higher average in all prior science courses and the recommendation of the most recent departmental instructor is required.
4408	Pre AP PhysChem	Successful completion of both Honors Algebra 2 (3137) and Honors Biology (4207) with a grade of 80% or higher, and the recommendation of the most recent departmental instructor is required.
4439	AP Physics 1	Successful completion of Biology.
4419	AP Physics C: Mechanics	Successful completion of Honors Physics (4407) with an 80% or higher, and completion of AP Calculus I (3409) or concurrent enrollment in AP Calculus I (3409). Also, attainment of an average grade of 80% or higher in all prior science courses and the recommendation of the most recent departmental instructor are required.
4429	AP Physics C: Electricity & Magnetism	Successful completion of Honors Physics (4407), with an 80% or higher, Pre AP PhysChem (4408) with a grade of 75% or higher, and completion of AP Calculus I (3409) or concurrent enrollment in AP Calculus I (3409). Also, attainment of an average grade of 80% or higher average in all prior science courses and the recommendation of the most recent departmental instructor are required.

Course Number	Course Name	Prerequisite
4509	AP Environmental Science	Successful completion of Biology (4204 or 4207) and Chemistry (4304 or 4307) with a grade of 80% or higher, or Pre AP PhysChem (4408) with a grade of 75% or higher, and concurrent enrollment in Environmental Science Laboratory (4510). Also, attainment of an average grade of 80% or higher in all prior science courses and the recommendation of the most recent departmental instructor is required. Successful completion of Earth Science is desirable, but not required.

Social Studies

Course Number	Course Name	Prerequisite
2509	AP World History (Grades 10-12)	Attainment of a grade of 80% or higher average in all prior required Social Studies courses, enrollment in an Honors or AP Social Studies class during the prior school year, or the recommendation of the most recent departmental instructor.
2209	AP United States History	Attainment of a grade of 80% or higher average in all prior required Social Studies courses, enrollment in an Honors or AP Social Studies class during the prior school year, or the recommendation of the most recent departmental instructor.
2309	AP American Government and Politics	Attainment of a grade of 80% or higher average in all prior required Social Studies courses, enrollment in an Honors or AP Social Studies class during the prior school year, or the recommendation of the most recent departmental instructor.
2519	AP European History	Attainment of a grade of 80% or higher average in all prior required Social Studies courses, enrollment in an Honors or AP Social Studies class during the prior school year, or the recommendation of the most recent departmental instructor.
2549/2549o	AP Psychology	Attainment of a grade of 80% or higher average in all prior required Social Studies courses, enrollment in an Honors or AP Social Studies class during the prior school year, or the recommendation of the most recent departmental instructor.

World Language

Course Number	Course Name	Prerequisite
1759	AP French Language	Successful completion of French IV (1740) with a grade of 80% or higher or the instructor's recommendation.
1859	AP Spanish Language	Successful completion of Spanish IV (1840) with a grade of 80% or higher or the instructor's recommendation.