

FRANKLIN HIGH SCHOOL



GRADUATION REQUIREMENTS & COMPLETER PROGRAM GUIDE

2014 – 2015

Baltimore County Public Schools
Graduation Requirements for Students Entering Grade 9 in or after 2011
 *Note changes in the box below.

The Baltimore County Public Schools Graduation Requirements are outlined on this page.
 All Baltimore County Public Schools offer the required core courses. Electives are courses other than the core courses.

MARYLAND HIGH SCHOOL ASSESSMENTS (HSA)

Passing the High School Assessment at the end of: (See page 6 for details.)

- English 10
- Algebra/Data Analysis
- Biology



+PLUS - BALTIMORE COUNTY COURSE CREDIT REQUIREMENTS

English.....	4
Social Studies.....	3.5
• One credit must be earned in each of the following: United States History, American Government, World History, and one-half credit in Economics.	
Mathematics.....	3
• One credit must include algebra and one credit must include geometry.	
• University System of MD requires four years of high school mathematics for admission, and most colleges require at least Algebra 1, Algebra 2, and Geometry.	
<i>Students should consult counselors or math instructors about their mathematics sequence.</i>	
Science.....	3
• One credit must be earned in Biology. The University System of MD and most colleges require achievement of the appropriate level of competencies and core content associated with three courses in the biological, physical, and earth/space sciences. <i>Students should consult counselors and science instructors about their science sequence.</i>	
Physical Education.....	1
Health.....	0.5
Technology Education.....	1
Fine Arts**.....	1
Core Credit Total	17

+PLUS - COMPLETION OF AT LEAST ONE OF THE FOLLOWING SEQUENCES:

<p align="center">4 Credits in a Specified Sequence of Courses in an approved Career & Technology Program</p> <hr/> <p><small>*University of Maryland System requires a non-trivial algebra*** in the final year beyond Alg. I, Alg. II and Geometry</small></p> <p><input checked="" type="checkbox"/> See school counselor for specified course.</p>	OR	<p align="center">2 Credits in Advanced Technology Courses and 2 Credits in any Elective</p> <hr/> <p><input checked="" type="checkbox"/> See school counselor for specified course.</p>	OR	<p align="center">2 *Credits in the same World Language in high school and 2 Credits in any academic Elective (science and math credits are recommended)</p> <hr/> <p><small>*University of Maryland System requires a non-trivial algebra*** in the final year beyond Alg. I, Alg. II and Geometry</small></p> <p><input checked="" type="checkbox"/> Check individual college admission requirement.</p>	OR	<p align="center">University of Maryland System Minimum entrance requirements</p> <p align="center">2 *Credits in the same World Language in high school and 1 Credit in any Elective (science recommended) and 1 *Credit of non-trivial algebra*** in the final year beyond Alg. I, Alg. II and Geometry</p> <p><input checked="" type="checkbox"/> Check individual college admission requirements.</p>
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(Each program sequence prepares students for postsecondary study)

Total Required Credits 21
ALONG WITH 75 HOURS OF PRE-APPROVED STUDENT SERVICE-LEARNING

**Students may fulfill the high school Fine Arts requirement by successfully completing either:

- An identified 1 credit course in art, music, theatre, or dance; **or**
- Any combination of two identified .5 credit courses from art, music, theatre, or dance**

**The dance program must meet the Maryland Curricular Framework.

***Non-trivial algebra is intended to mean that the level of mathematical concepts discussed and the level of problems that are used in the course would be at least as sophisticated as those that relate to problems appearing in the Achieve ADP Algebra II test. Examples of courses meeting this requirement include Algebra II, Trigonometry, Precalculus, Calculus and successor courses, Statistics, and College Algebra. An important feature of any such course is that it utilizes algebra in a substantive way, so the student does not lose the algebraic and numerical skills achieved in earlier courses." USM Bylaws, Policies and Procedures of the Board of Regents, III-4.00 - POLICY ON UNDERGRADUATE ADMISSIONS (Approved by the Board of Regents, January 11, 1990; Revised October 4, 1996; Revised October 5, 2001; Revised December 4, 2009)

I. UNIVERSITY OF MARYLAND/FOUR-YEAR COLLEGE COMPLETER PROGRAM

Students who hold aspirations to attend college should plan a four year academic program that includes sequential study in a world language and enrollment in higher level mathematics and science courses. The University of Maryland System Admissions Office has identified the following minimum high school course requirements that should serve as the foundation upon which to build a college preparatory program of study.

Subject	Credits
English Language Arts	4
Social Studies	3
Mathematics	4 (Algebra I, Algebra II, Geometry & one non-trivial math in senior year)
Science	2 lab sciences (Biology, Chemistry)
World Language	2 (in the same language in high school)
Electives	6

Students are encouraged to fill elective options with additional courses in mathematics, science, world language, and subjects that address areas of special interest in order to remain competitive in the college application process.

I. ADVANCED TECHNOLOGY COMPLETER PROGRAMS

Advanced Technology Courses

Advanced Technology Studies Courses provide students opportunities to extend and apply their knowledge and skills in specific Core Technology areas and/or in specialized Technology Enterprise and Institutions system areas such as Manufacturing, Production, Biotechnology, Communications, and Engineering. Advanced Technology Studies Courses emphasize the use of the technology problem solving model as it is applied in real world problem activities.

The Maryland State Board of Education and Baltimore County Public Schools recognize the completion of a series of two (2) approved advanced technology courses as one of the four (4) approved graduation course sequences. This graduation course sequence option is designed for students with career aspirations that may not require a four-year college degree and for which a Career & Technology Completer Course sequence is not available.

The following courses are approved for the Advanced Technology Completer Program:

Technology Education Department

Advanced Design Applications - 1 credit

Advanced Technological Applications - 1 credit

III. CAREER AND TECHNOLOGY EDUCATION COMPLETER PROGRAMS

Students who plan to enter the work force after their graduation from high school or continue their education in a technical area should select a career and technology completer program as well as a strong academic program of study. The Maryland State Department of Education approves all completer programs. Some programs are eligible for community college or four year college credit. Students should ask their school counselor if they are eligible to receive community college credit because of successful completion of their high school program. Each student completing a career and technology education program receives a skills profile indicating the student's level of competency. The skills profile can be presented to employers or admissions counselors to further introduce the student. Successful completion of a school of technology program or an approved career program offered in the comprehensive high school will prepare students for gainful employment and/or entry into a college program. Students can combine a career and technology education completer program with the University of Maryland entrance requirements to prepare for a four-year college.

The following Career and Technology Completer Programs are available:

- School to Career Transition - 4 credits
- Business Management & Finance - Business Management Pathway 4 credits
- Arts, Media and Communication – Interactive Media Production 4 credits
- Construction and Development – Carpentry Careers 4 credits
- Electrical Careers – Electrical Completer 4 credits
- Health & Biosciences – Project Lead the Way Biomedical Sciences 4 credits

A. SCHOOL TO CAREER TRANSITION - COMPLETER SEQUENCE - (4 Credits)

This CTE Career Completer program prepares students with the academic, technical, and workplace skills necessary to seek further education and employment in a career field of their interest upon graduating high school. The program consists of two in-school courses, portfolio development project, and a mentored workplace experience. Emphasis is placed on aligning students' career paths with their interests, aptitudes, and skills. Students must be concurrently registered for Intro to Career Research and Development and/or Advanced Career Research & Development and the Work-Based Learning Experience. To obtain the Career Completer, students must complete Intro to Career Research and Development; Advanced Career Research & Development; and a 2-credit Work Based Learning Experience for a total of four (4) credits. Application required.

School to Career Transition

Course #	Course Name	Credit
86.1110.0	Intro to Career Research and Development (Grade 10, 11 or 12)	1.0
86.1210.0	Advanced Career Research & Development (Grade 11 or 12)	1.0
86.1290.0	Work-Based Learning Experience 12	2.0

For the CTE Career Completer, the student must have 86.1110.0 and 86.1210.0 plus 2 credits of Work-Based Learning Experience.

B. BUSINESS MANAGEMENT COMPLETER: Business Management Pathway

The Business Management Pathway Completer (4 credits) prepares students for the workforce while learning skills that prepare them for college. The course sequence is:

- Principles of Business Administration and Management (1 credit)
- Accounting I – Honors (1 credit)
- Advanced Business Management Honors (1 credit)
- Business Capstone Honors (1 credit)

C. ARTS, MEDIA AND TECHNOLOGY

Career Completer in Interactive Media Production

This completer provides the technical and fine arts components to attain entry level job proficiency. With the basic Technology Education course as a prerequisite, a student interested in pursuing a career in areas of graphic design, visual communications, multi-media production, desktop publishing, illustration, advertising, computer authoring and animation will develop art related skills qualifying for an internship. While the following courses are suggested in sequence, a student has the option of doubling courses in the same year. It should be noted that none of these art courses satisfies the fine arts requirement for graduation.

Intermedia I	1 credit
Intermedia II	1 credit
Intermedia III	1 credit
Intermedia IV	1 credit

D. CONSTRUCTION AND DEVELOPMENT

Career Completer in Carpentry Careers

Students will acquire the necessary skills and practical experience to be successful in a career in carpentry services. Students in the carpentry career program acquire information and experience related to residential and commercial construction. Safety, hand and power tools, leveling instruction, foundation layout, floor and wall construction, roof construction, blueprint reading, forming and job estimates are units of instruction emphasized for carpentry students. Carpentry students will complete the National Center for Construction Education and Research (NCCER) Corey Learning and Carpentry Level One certification exams. Students completing the program successfully are eligible for advanced placement in the first year apprenticeship in the Associated Builders and Contractors (ABC) Apprenticeship Program. They may also be eligible for advanced placement and/or testing opportunities through other union or non-union apprenticeship programs and/or receive college credit at a post secondary institution through an articulation agreement with CCBC. Upon graduation students can enter employment, complete journeyman apprenticeship, and/or earn a degree at a two year or four year college. Course sequence will include:

Carpentry I	1 credit
Carpentry II	1 credit

Carpentry III	1 credit
Carpentry IV	1 credit

Franklin High School students travel to Owings Mills High School for two periods of the school day in order to participate in this program.

E. ELECTRICAL CAREERS

Career Completer in Electrical Careers

Electrical Careers is a sequence of four credits in which students will acquire hands-on experience with state-of-the-art equipment, as well as learn the theory of operation of electrical systems. Upon successful completion of the program, your student will have the opportunity to earn as many as 6 college credits toward an AA degree or certificate in Construction Management at the Community College of Baltimore County. Students may also be eligible for advanced placement in the apprenticeship program with the Associated Builders and Contractors. Course sequence will include:

Electrical Careers I	1 credit
Electrical Careers II	1 credit
Electrical Careers III	1 credit
Electrical Careers IV	1 credit

F. HEALTH AND BIOSCIENCES

Project Lead the Way Biomedical Sciences

The Project Lead the Way (PLTW) Biomedical Sciences program offers high school students a dynamic curriculum that uses real world experience and hands on learning. Students with interest in exploring the variety of career opportunities that the field of medicine offers will find PLTW's Biomedical Sciences program a fantastic doorway to a future in the medical and biological fields. Application required. Course sequence will include:

Principles of Biomedical Sciences	1 credit
Human Body Systems	1 credit
Medical Interventions	1 credit
Biomedical Innovations	1 credit

NOTICE OF NONDISCRIMINATION

The Baltimore County Public Schools do not discriminate on the basis of gender, race, disability, color, or national origin and do comply with Title VI, Title VII, Title IX, and Section 504 of the civil rights regulations in all educational programs. All courses are open to both male and female students. For further information, contact the Office of Equity and Assurance, Baltimore County Public Schools, 6901 Charles Street, Towson, Maryland 21204 410.887.2444.