2017-2018 College Admissions Profile

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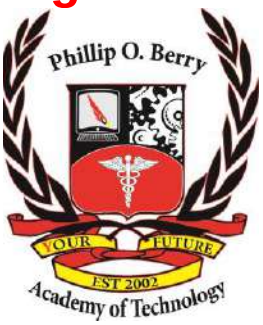

Mrs. Terra Kennedy
Principal

Mrs. Tonya Grimes
Assistant Principal of Instruction

Mr. Brian Hitt
Assistant Principal

Dr. Michael Turner
Assistant Principal

Mr. Andrew Howard
Dean of Students

School Counselor and College Adviser Contact Information

Caseload by Last Name	Position	E-mail Address	Telephone Extension
A through D	Mrs. Shamelle Ingram, *School Counselor*	shamelle1.ingram@cms.k12.nc.us	4010930
E through K	Mrs. Shannon G. Clark, *School Counselor*	shannon.clark@cms.k12.nc.us	4010909
L through Q	Mrs. Latisha Tobias, *School Counselor*	latisha.dixon@cms.k12.nc.us	4010913
R through Z	Mrs. Lynette Horton, *School Counselor*	lynette.horton@cms.k12.nc.us	4010933
All Students	Mr. Ryan Byrd, *College Advisor*	ryan1.byrd@cms.k12.nc.us	4010921

COMMUNITY

Phillip O. Berry Academy of Technology is a full county magnet high school. Berry Academy opened its doors in August 2002. Conveniently located between Uptown Charlotte and I-85, Berry Academy is a 340,000 square-feet state of the art high school on 45 acres. Berry Academy serves approximately 1,676 students in grades 9-12. The student population is comprised of 67.4 percent African-American, 21.3 percent Hispanic, 4.7 percent Asian, 3.6 percent White, 2.2 percent Multi-racial, 0.6 percent American Indian, and 0.2 percent Pacific Islander.

SCHOOL

Phillip O. Berry Academy is a comprehensive, district-wide magnet high school offering an accelerated core academic curriculum in STEM (Science, Technology, Engineering, and Math), as well as relevant technical offerings specific to Academic Career Pathways found in three academy clusters: the Academy of Engineering, Academy of Information Technology, and the Academy of Health Science. More than 15 career and technical education courses are offered within the three Career Academies. Teachers at Phillip O. Berry Academy of Technology facilitate and differentiate instruction to address the learning styles of all students within a school culture that values and honors all students. The school's mission is to provide an education centered on a rigorous and relevant curriculum with focused human relations between students, parents, staff and the community. Complementing the rigorous and relevant academic and technical curriculums are a comprehensive athletic program, and student clubs and activities, as well as electives in Spanish, French, Fine Arts, Band, and Orchestra.

All Phillip O. Berry Academy programs prepare students, upon graduation, to continue their studies at a four-year college or university, a two-year/community college, or to start a career. Approximately 80% of our graduates enroll in four-year colleges or universities, and we work closely with Central Piedmont Community College to articulate courses for college credit. Co-curricular activities such as mentorships, job shadowing, internships and other activities are offered via Phillip O. Berry Academy's business partners. Extracurricular clubs and activities include Future Business Leaders of American (FBLA), Health Occupations Students of America (HOSA), National Technical Honor Society (NTHS), National Society of Black Engineers Jr. (NSBE), and many more all offering the students opportunities to enhance their leadership and team work skills.

Entrance Criteria. Students entering Phillip O. Berry Academy of Technology for the 2017-2018 school year were admitted through the lottery process based on socioeconomic status. Magnet seats for this year's incoming freshmen class were allotted by thirds to each of the three socioeconomic brackets. Prior to this school year, students entering Grade 9 must have scored at or above grade level (Level 3 or above) proficiency in Math based on EOG tests taken in the 7th grade. Students entering Grade 10 must have scored Level 3 or above in Math I and Science EOGs (2014-2015) and must have Algebra I or Math I credit and earned at least one high school Science course credit in Grade 9. Students entering in Grades 11 and 12 must undergo a transcript review and must complete a request for *Reassignment/Transfer*.

Continuation Standards. Students enrolled in Phillip O. Berry Academy of Technology are expected to fulfill the minimum course requirements related to the STEM magnet theme in order to maintain active status as a magnet student and continue to the next grade level within the magnet program. Students in Grades 10-12 must be enrolled in and pass their Career Academy Career and Technical Education magnet theme-related course each year.

Athletics. Berry Academy offers a full range of competitive athletics for all students and is a Division 4A school.

Accreditation. Phillip O. Berry Academy of Technology is accredited by the Southern Association of Colleges and Schools (SACS) and the North Carolina Department of Public Instruction (NCDPI).

CAREER ACADEMIES

Phillip O. Berry Academy of Technology features three Career Academies that are rigorous "*small learning communities*" or "*schools-within-a-school*" that focus on career preparation. The academies integrate academic and technical curricula, raise student ambitions, increase career options, and provide meaningful learning experiences for both college and non-college bound students.

STEM—Academy of Engineering. This Career Academy prepares graduates for continuing education and/or employment with engineering technologies related organizations. Students learn how to use industry–leading 3D design software that allows them to design solutions to solve proposed problems. They employ engineering and scientific concepts in the solution of design problems. Students work in teams, explore and also learn the characteristics of pre-engineering, civil engineering and architecture through Project Lead the Way (PLTW) courses and the National Academy Foundation (NAF). For additional information about PLTW, please visit their website at http://www.pltw.org. For additional information about NAF, please visit their website at http://www.naf.org.

STEM—Academy of Information of Technology. This Career Academy is a four-year information technology-oriented sequence of courses that align relevant academic, employment, and workplace standards. This program offers a broad foundation of knowledge, skills, and concepts to prepare students for continuing education and/or employment in the information technology industry and to develop and support a systemic solution to the growing demand for core information technology workers. Students participate in the Information Technology cluster which provides them the opportunity to take courses in Computer Programming, e-Commerce, and SAS Programming. Students also learn how to design and create computer programs using Visual Basic.Net; web related computer language such as HTML, JavaScript, as well as SAS. Berry Academy's Academy of Information Technology is a National Academy Foundation (NAF) Academy. For additional information about NAF, please visit their website at http://www.naf.org.

STEM—Academy of Health Sciences. This Career Academy prepares graduates for continuing education and/or employment in the healthcare field. This cluster includes studies in PLTW: Biomedical Sciences. Students explore the concepts of human medicine and are introduced to bioinformatics, including mapping and analyzing DNA. Through activities like dissecting a heart, students examine the processes, structures, and interactions of the human body—often playing the role of biomedical professionals to solve mysteries. Think CSI meets ER. Students also explore the prevention, diagnosis, and treatment of disease working collaboratively to investigate and design innovative solutions for the health challenges of the 21st century. For additional information regarding Project Lead The Way (PLTW), please visit their website at http://www.pltw.org.

CURRICULUM

Berry Academy offers a strong college preparatory curriculum designed to provide its graduates with the credentials for meeting entrance requirements at the most competitive colleges and universities. The **academic program** is organized on a hybrid block schedule which is determined by the master schedule. Some students will take four 4x4 courses each semester or a combination of 4x4 and A/B-Day (year-long) courses. Students take four 90-minute block classes. Block scheduling was instituted in 2006.

The following 15 Advanced Placement (AP®) courses are offered at Phillip O. Berry Academy of Technology: Biology, Calculus AB, Calculus BC, English Language and Composition, English Literature and Composition, Human Geography VPS, Physics 1, Psychology, Spanish Language and Culture, Statistics, United States Government and Politics, United States History, and World History VPS. AP is an open-enrollment program. Forty honors level classes are offered in all core curriculum areas and Career and Technical Education.

GRADUATION/DIPLOMA REQUIREMENTS

Twenty-four (24) units of credit are required for the Future Ready Core (FRC) Plus courses of study for the Class of 2016. The units include:

CMS/NC Course of Study Graduation Requirements Effective with the Class of 2016	
Content Area	**Number of Credits Required**
English	4 Credits *English I, II, III, IV*
Mathematics	4 Credits *Math I, Math II, Math III and a 4th math course for which Math II; or an Alternate Math Sequence (requires principal approval)*
Science	3 Credits *An earth and environmental science, Biology, and a physical science*
Social Studies	4 Credits *World History; American History Founding Principles, Civics and Economics; and American History I and American History II; or AP U.S. History and 1 additional social studies elective*
Health & Physical Education	1 Credit
General Electives	8 Credits Four of the general elective credits **may** be in one subject area or a cross-disciplinary area, focused on student interests and postsecondary goals, providing an opportunity for the student to participate in a concentration—a rigorous, in-depth and linked study. The concentration may include but is not limited to courses in CTE, ROTC, Advanced Placement, International Baccalaureate, World Languages, or Arts Education; students may also take course through community college Career & College Promise Program (CCP). Two of these additional electives **must** be any combination of courses in Career & Technical Education, Arts Education and Second Language; not included in the four courses used in the Concentration electives.
Total Credits	24

Additional Graduation Requirements. In order to receive a high school diploma, students are also required to complete the CMS Graduation Project and demonstrate proficiency in Cardiopulmonary Resuscitation. (CPR)

GRADING POLICY

In each course, the academic grade a student earns reflects the student's achievement of grade level expectations and satisfaction of attendance requirements. Letter grades are used for all courses. Pluses (+) and minuses (-) are not used.

Grading Scale Prior to the 2015-2016 School Year
:

Letter Grade	Numeric Values	
A	93-100	Excellent Performance
B	85-92	Very Good Performance
C	77-84	Satisfactory Performance
D	70-76	Inconsistent, Low Performance
F	Below 70	Unsatisfactory Performance or Excessive Absences

Grading Scale Beginning with the 2015-2016 School Year

Letter Grade	Numeric Values	
A	90-100	Excellent Performance
B	80-89	Very Good Performance
C	70-79	Satisfactory Performance
D	60-69	Inconsistent, Low Performance
F	Below 60	Unsatisfactory Performance or Excessive Absences

GRADE POINT AVERAGE & CLASS RANK

Grade Point Average Computation. The number of quality points a student may earn for a particular course is determined by a combination of the student's grade in the course and the academic level of the course, as follows:

	ACADEMIC COURSE LEVEL		
	Standard	**Honors/College Courses identified in Comprehensive Articulation Agreement**	**Advanced Placement/International Baccalaureate/higher-level college courses identified in Comprehensive Articulation Agreement**
Final Course Grade	**TOTAL QUALITY POINTS** For students first entering 9th grade prior to the 2015-2016 school year		
	(Unweighted)	(Weighted)	(Weighted)
A	4	5	6
B	3	4	5
C	2	3	4
D	1	2	3
F	0	0	0
	TOTAL QUALITY POINTS For students first entering 9th grade beginning with the 2015/2016 school year		
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1.5	2
F	0	0	0

1. The number of quality points used in the GPA calculation formula shall be based upon the final course grade in all cases where the final course grade is available.
2. To determine an unweighted GPA, the total quality points (disregarding the additional quality points awarded for upper level courses) are divided by the total number of semesters attempted.
3. To determine a weighted GPA, the total of quality points (weighted and unweighted) is divided by the number of semesters attempted.

Schedule for Calculating GPA. A student's end-of-year weighted GPA will be calculated at the end of the grades nine through twelve, using final course grades. An interim weighted GPA will be calculated at the end of the first semester for all high school students and posted to the student's transcript.

Class Rank. Class rank is determined by ranking all students numerically by weighted GPA. The student(s) with the highest average will be assigned a rank of number one (1) in the class. The student(s) with the second highest average will be assigned the next highest rank. Students who have the same GPA will have the same rank in the class. Class rank is run according to the following schedule:

Grade 9	End of first semester
Grade 10	On the 15th school day and at the end of the first semester
Grade 11	On the 15th school day and at the end of first semester
Grade 12	On the 15th school day, end of the first semester, and end of the second semester.

Colleges Attended by Phillip O. Berry Academy of Technology Graduates

Appalachian State University	Everest College	Livingstone College	Shaw University
Art Institute of Charlotte	Fayetteville State University	Louisburg College	South Carolina State University
Belmont Abbey College	Florida Gulf Coast University	Massachusetts Institute of Technology	St. Andrews University
Benedict College	Fort Valley State	Meredith College	Stanford University
Berea College	Francis Marion University	Methodist University	Tuskegee University
Brevard College	Full Sail University	Morehouse College	University of Alabama-Birmingham
Campbell University	Gardner Webb University	Norfolk State University	University of Kentucky-Louisville
Catawba Valley College	Gaston College	North Carolina A&T State University	University of Massachusetts--Lowell
Central Piedmont Community College	Georgia Southern University	North Carolina Central University	University of North Carolina--Asheville
Chestnut Hill College	Gupton-Jones College of Funeral Services	North Carolina State University	University of North Carolina--Chapel Hill
Chowan University	Hampton University	Oklahoma State University	University of North Carolina--Charlotte
Clemson University	High Point University	Old Dominion University	University of North Carolina--Greensboro
Coastal Carolina University	Howard University	Paine College	University of North Carolina--Pembroke
Cornell University	Iowa State University	Pensacola State College	University of North Carolina--Wilmington
Davidson College	Johnson and Wales University	Phifer University	University of South Florida
Delaware State University	Johnson C. Smith University	Pratt Institute	University of Washington-Seattle
Duke University	Kaplan College	Princeton University	Virginia State University
East Carolina University	King's College	Queens College	Wake Forest University
Elizabeth City State University	Kingsborough College	Regency Beauty Institute	Western Carolina University
Elon University	Lenoir Rhyne University	Saint Augustine's University	College of William and Mary
Embry Riddle University	Liberty University	Salem College	Wingate University
Empire Beauty School	Limestone College	Savannah College of Arts & Design	Winston Salem State University