

SCHOOL AND COMMUNITY

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George Washington Carver High School of Engineering and Science is an innovative, inclusive, and college preparatory criteria-based school for grades 7-12 serving academically talented and motivated students interested in the sciences, technology, engineering, mathematics, medicine, and other STEM-related career fields. We are committed to providing a rigorous curriculum with a focus in these areas, enriched by relevant extracurricular opportunities that are student centered.

Our mission is to prepare our students with the academic and organizational skills for collegiate success and to empower students with the social and leadership skills to be lifelong learners and productive citizens.

STUDENT BODY

We receive over 2,000 applications per year for 200 9th grade seats and 60 7th grade seats. Our admissions criteria requires: (1) A/Bs in all subjects; (2) At least 80% on a standardized test; (3) Minimal absences; (4) One-page essay about why you wish to attend Carver E&S.

Our student body of 904 students spans the city of Philadelphia, representing 45 zip codes. Our school was founded forty years ago with the explicit mission of preparing people under-represented in STEM fields, and we are proud to continue that today.

Our demographics are comprised of:

- 58% African American
- 15% Asian
- 11% Latino
- 9% Caucasian
- 7% Other
- 52% Male; 48% Female
- 61% Low Income
- Efficient Outstanding Attendance rate of 97% for 935 students
- 4-year graduation rate for the Class of 2023 is 100%
- Class of 2023 had a 98% college acceptance rate with 2% accepting to enlist in the Armed Forces.
- Class of 2023 earned 15.9 million in College scholarships (22 Academic Full Rides, including six to the University of Pennsylvania.)

ACADEMIC PROGRAM

Carver E&S offers a rigorous curriculum with particular emphasis on the sciences, technology, engineering, and mathematics. Beginning with the Class of 2020, we no longer publish class rank. Highest quality teaching staff credentials in PA (6 "Lindback Teacher of the Year" awarded teachers on staff, 80% of staff have over 10 years of experience teaching, and 90% of staff hold advanced degrees (masters/ doctorate)

Popular Academic Course Pathways:

Bio-Medical- (Potential Careers: Nurse, Medical Doctor, Dentist, Forensic Scientist, Microbiologist, Veterinarian, Neuroscientist)

Engineering- (Potential Careers: Mechanical Engineer; Chemical Engineer; Systems Engineer; Electrical Engineer, Aerospace Engineer; Nuclear Engineer, Biomedical Engineer; Data Scientist)

Psychology-- (Potential Careers: Psychiatrist; Educational Psychologist; Counseling/Clinical Psychologist; Therapist; School Counselor; Social Worker).

Computer Science- (Potential Careers: Software Developer; Web Developer; Network Administrator; App Developer; Video Game Designer; IT Project Manager)

Media/ Technology; Arts- (Potential Careers: Multimedia Designer; Photographer; Content Strategist; Media Specialist; Digital Marketer; Graphic Designer) Principles

Advanced Placement Courses: 11 Honors Courses/ 16 AP Courses Offered

AP Courses: Biology; Calculus AB; Calculus BC; Chemistry; Computer Science A; Computer Science Principles; English Literature and Composition; Environmental Science; Government; Microeconomics; Physics; Psychology; Research; Seminar; U.S. History; World History

Graduation requirements: 4 credits English, 4 credits Social Studies; 7 combined credits of Math and Science; 2 credits of foreign language; 2 credits of Arts & Humanities; 1.5 credits of PE & Health; at least 2 elective credits. (Guidelines of School District of Philadelphia.

Minimum Passing Grade is a 60. Honor courses include a 1.15 GPA multiplier and AP Courses include a 1.2 GPA multiplier.

STEM Pathways, with aligned electives, in Engineering, Bio-Medical and Computer Science.

College Credit options through Advanced Placement and Dual Enrollment programs.

Additional Partnership Courses (Peer Group Connection) Public Speaking (St. Joseph's University) Data Sciences (Philadelphia Financial Scholars) Personal Finance and Entrepreneurship

Dual Enrollment agreements with Community College of Philadelphia, Thomas Jefferson University, Drexel University, St. Joseph's University, and Temple University.

COLLEGE ACCEPTANCE

One hundred percent of our seniors apply to, and are accepted at a college or university. A recent study by the National Clearinghouse indicates that a majority of E&S graduates achieve a college degree within six years.

Recent College Acceptances:

*Arcadia University
Boston University
Carnegie Mellon University
*Clark Atlanta University
Columbia University
*Cornell University
*Delaware State University
*Drexel University
Duke University
*Florida A&M University
*Georgia State University
*Gettysburg College
*Hampton University
*Harvard University
*Howard University
*Indiana University of Pennsylvania
*John Hopkins University
*LaSalle University
*Lehigh University
McGill University

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Morgan State University
*Morehouse College
*North Carolina A&T State University
*Parsons School of Art and Design
*Pennsylvania State University
*Princeton University
Purdue University
Rensselaer Institute of Technology
*Rochester Institute of Technology
*Rowen University
*Rutgers University
*Spelman College
*Stanford University
*St. Joseph's University
*St. John's University
*Susquehanna University
Swarthmore College
Syracuse University
*Temple University
*Thomas Jefferson University
Tuskegee Institute

* Currently Attending

United States Coast Guard Academy
*University of California - Santa Barbara
*University of Delaware
*University of Hawaii
*University of Maryland
University of Miami
University of Michigan
*University of North Carolina School of the Arts
*University of Pennsylvania
*University of Pittsburgh
*University of the Arts
*University of San Francisco
*University of the Sciences
*Ursinus College
*Villanova University
*Virginia State University
Virginia Commonwealth
*West Chester University
*Widener University
*Youngstown State University

CULTURE OF EXCELLENCE

COLLEGE & CAREER READINESS

University partnerships: University of Pennsylvania, University of the Sciences, West Chester University, Drexel University, Villanova University, Lehigh University, Temple University, and Community College of Philadelphia

Partners & Internships: NavSEA, Army Corps of Engineer, School District of Philadelphia -IT Department, Temple University - School of Science and technology and Engineering, St. Christopher's Hospital, Steppingstone Scholars, Squashsmarts, Big Brothers, Big Sisters and Philadelphia Futures

Carver HSES Annual College Day hosting 60 colleges and universities for a fair and a college visit for all students in grades 7-10

Carver E&S Achievements

- Recognized by U.S. News and World Report as one of the "Best High Schools in the U.S." for 2022-2023
- U.S. Department of Education National Blue Ribbon School of Excellence, 2019 Middle States Association of Secondary Schools and Colleges accreditation, "Sustaining Excellence" distinction since 2020
- Distinguished by Philadelphia Magazine as a "Best High School" in 2019-2020
- City Leader based on SDP School Progress Report in 2018
- PA Department of Education Distinguished School 2016-17
- PA Department of Education, Governor's Award for Academic Excellence, 2013
- Recognized by U.S. News and World Report in the "Best High Schools in the U.S." in 2012-2020

Award Winning Teams

- Qualified for national competitions in Robotics, Engineering Design, Underwater Robotics, Mock Trial, and Quiz Bowl
- Offer 42 Afterschool Clubs & Teams, 26 Varsity, JV, and M.S. sports teams

Athletic Program (2016-Present)

- *Boys Bowling 3-peat Philadelphia Public League (PPL) Champions (20-21, 21-22, 22-23)
- *Cheerleading 6 time PPL Champions (2016, 2018, 2019, 2020, 2021, 2022)
- *Boys Soccer 2022-2023 PIT Champions
- *Girls Indoor Track PPL Champions (22-23)
- *Boys Indoor Track PPL Champions (20-21, 21-22)
- *Girls Outdoor Track and Field PPL Champions (22-23)
- *Boys Outdoor Track and Field PPL Champions (21-22)
- *Baseball Division Champions (21-22, 22-23* Undefeated in the regular season)
- *Girls Basketball Division Champions (17-18, 19-20* Undefeated in the regular season)
- *Boys Tennis Division Champions (2017-18)

