



Carnegie Vanguard High School

for the Gifted and Talented

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A Top High School in the US

CEEB Code: 443541

CARNEGIE VANGUARD AND MISSION

Carnegie Vanguard High School was established in the fall of 2002 as the successor to the highly successful school-within-a-school Vanguard program at Jesse H. Jones Senior High which was created in 1977. Today Carnegie is the only Vanguard high school in the Houston Independent School District (HISD) with 100% of the students identified as gifted and talented in academics. The mission of Carnegie Vanguard High School is to provide a unique and challenging learning environment to prepare the diverse gifted and talented students of HISD for leadership in a global society.

STUDENT BODY

Carnegie Vanguard's students seek academic excellence in a community that values diversity, acceptance, and close relationships with faculty. Our 855 current students come from every area of the Houston Independent School District. Carnegie Vanguard's overall federal race and ethnicity demographic breakdown is as follows:

- Black or African American 10%
- Asian 31%
- White 18%
- Hispanic or Latino 34%
- Two or more Race Categories 6%
- Other or Unspecified 1%

During the 2024-2025 school year, about 35% of students at Carnegie Vanguard will be eligible for free/reduced lunch programs.

COLLEGE PLACEMENT

- 100% acceptance at 4-year colleges or universities
- 95% matriculate at 4-year colleges or universities
- 5% matriculate at 2-year colleges (honors programs)
- 30% matriculate at out-of-state colleges
- 1% matriculate abroad

NATIONAL RANKINGS

- **US News and World Report:** #31 in National; #5 in Texas High Schools; #1 in Houston and Houston ISD; #12 in Magnet Schools
- **Niche!:** #2 in Best College Prep Public High Schools in Texas; #4 in Best College Prep Public High Schools in Houston Area; #4 in Best Magnet High Schools in Texas

GRADING SYSTEM AND STUDENT RANKING

All students have a rank published on their final senior transcript; however, Carnegie Vanguard only publishes ranks on preliminary transcripts for those students who are in the top 10% of their class. A student's grade point average is computed on a 4.0 weighted scale. The theoretical maximum GPA is above 4.9 on a 4.0 weighted scale, reflecting the number of required unweighted regular courses as well as HISD Advanced, AP, and Honors courses, which carry an additional grade point.

The cumulative GPA includes all courses except high school courses taken in middle school. For the class of 2024, the highest GPA score was 4.94 on a 4.0 weighted scale and the mean GPA score was 4.09 on a 4.0 weighted scale.

Letter grades and grade points are assigned as shown below:

Grade-Point Assignment

Letter Grade	Grading Scale	AP, Honors, and HISD Advanced Courses	On-Level and Regular Courses
A	90 – 100	5	4
B	80 – 89	4	3
C	75 – 79	3	2
D	70 – 74	2	1
F	Below 70	0	0

CURRICULUM

Carnegie Vanguard offers only HISD Advanced (HADV), Pre-AP, and Advanced Placement (AP) courses in English, Math, Science, and Social Studies as well as Honors elective courses in core subject areas. The curriculum for every course is above and beyond state and district standards. Each Carnegie Vanguard student generally takes at least 10 AP courses before graduation including the following: AP English Language and Composition, AP English Literature, AP Physics 1, AP Capstone (Seminar and Research), AP Human Geography, AP World History, AP US History, AP Macroeconomics, AP US Government and Politics, and others. The highest level of math classes offered are Statistics 2 and Post-Calculus Applications, which we titled Independent Study Math 1 and 2, respectively.

GRADUATION REQUIREMENTS

A minimum of 26 credits are required for graduation under the Distinguished Level of Achievement plan. Required credits include:

- 4 credits of English that include AP English Language and AP English Literature
- 4 credits of social studies that include 5 AP courses
- 4 credits of science that include Biology, Chemistry, AP Physics 1, and another advanced science
- 4 credits of mathematics that include Algebra 1, Geometry, Algebra 2, and either AP Pre-Calculus or AP Statistics
- 1 credit of a research-based course
- 2 credits or more of one foreign language
- 1 credit of fine arts
- 1.5 credits of physical and health education
- 4.5 credits or more of electives

ADVANCED PLACEMENT DATA (2023 - 2024 academic year)

Students at Carnegie Vanguard take the following courses and tests:

- Freshmen take AP Human Geography.
- Sophomores take AP World History.
- Juniors take AP English Language and AP US History.
- Seniors take AP English Literature, AP US Government, AP Macro Economics, and any others they elect to take.

The information in the following table is for the entire school, NOT just juniors and seniors.

Subject	Total Exams	Average Score	% of 3, 4, 5
2D Art and Design	13	3.5	92%
African American Studies	18	3.9	94%
Art History	19	3.4	74%
Biology	79	3.8	90%
Calculus AB	92	3.7	75%
Calculus BC	42	4.7	98%
Chemistry	64	4.1	95%
Chinese Language	10	4.2	90%
Computer Science A	31	4.1	81%
Computer Science Principles	29	3.2	79%
Drawing	1	3	100%
English Language	187	3.6	84%
English Literature	191	3.4	81%
Environmental Science	81	3.1	67%
European History	27	4.2	93%
French Language	14	3.6	93%
Human Geography	223	3.7	80%
Macroeconomics	186	3.1	63%
Microeconomics	20	2.5	45%
Physics 1	180	2.5	46%
Physics C: Electricity & Magnetism	53	3.3	66%
Physics C: Mechanics	52	3.8	87%
Precalculus	200	4.2	90%
Psychology	71	2.8	59%
Research	159	3.4	86%
Seminar	188	3	79%
Spanish Language	28	4.3	96%
Spanish Literature	12	3.4	83%
Statistics	164	3.5	79%
US Government and Politics	192	3.8	85%
US History	188	3.8	89%
World History	209	3.8	84%
Total Exams	3,023	3.5	79%

NATIONAL MERIT SCHOLARS CLASS OF 2024 (N = 194)

National Recognition	Number of Students	Percent of Class
National Merit Semifinalists	12	6.1%
Commended Scholars	26	13.4%

SAT SCHOOL DAY 2024 TEST RESULTS (N = 172 tests)

SAT Reasoning Test Scores	Mean Total Score 400-1600	Mean EBRW Score 200-800	Mean Math Score 200-800
Carnegie Vanguard HS	1290	650	640
District	896	452	444
State of Texas	943	478	465

ACT TEST RESULTS 2023-2024 (N = 123 tests)

ACT Summary	Mean Score
English	27.8
Math	27.8
Reading	29.1
Science	27.5
Composite	28.2

DISTRIBUTION OF ACT SCORES 2023-2024 (N = 123 tests)

ACT Score	# of Carnegie Students	Percent Rank at Carnegie
36	3	2.4%
35	4	3.3%
34	9	7.3%
33	6	4.9%
32	12	9.8%
31	5	4.1%
30	9	7.3%
29	11	8.9%
28	13	10.6%
27	5	4.1%
26	11	8.9%
25	12	9.8%

ATHLETIC PROGRAMS

Because of our constrained urban location, budget limit, newness of the school, and small size, Carnegie is able to offer only limited athletic opportunities to our students. Current athletic offerings include UIL baseball, cross country, track and field, tennis, girls volleyball, and soccer. Lack of athletic resources puts a constraint on our students' athletic pursuits, and our students have to work much harder than their peers at other high schools to pursue their athletic passions.

COLLEGE AND UNIVERSITY MATRICULATION 2020 – 2024

16% of Class 2024 matriculated at the most selective colleges with acceptance rate below 25%.

Colleges in Texas

Austin College	St. Mary's University	Texas Tech University
Baylor University	Sam Houston State University	Texas Woman's University
Blinn College	San Jacinto Community College	The University of Texas at Arlington
Houston Christian University	Schreiner University	The University of Texas at Austin
Houston Community College	Southern Methodist University	The University of Texas at Dallas
Lamar University	Southwestern University	The University of Texas at San Antonio
LeTourneau University	Stephen F. Austin University	The University of Texas at Tyler
Lone Star College	Texas A&M University, College Station	Trinity University
Prairie View A&M University	Texas A&M University, Corpus Christi	University of Houston
Rice University	Texas A&M University, Galveston	University of Houston, Downtown
St. Edward's University	Texas A&M, Texarkana	University of North Texas
	Texas Southern University	University of St. Thomas
	Texas State University	

Out-of-State Colleges

Amherst College	Georgia Institute of Technology	Santa Clara University	University of Michigan, Ann Arbor
American University	Grand Canyon University	Sarah Lawrence College	University of Missouri, Columbia
Arizona State University	Grinnell College	Savannah College of Art and Design	University of New Mexico
Auburn University	Hampton University	Skidmore College	University of North Carolina at Chapel Hill
Bentley University	Harvard College	Smith College	University of North Carolina School of the Arts
Binghamton University	Harvey Mudd College	Spelman College	University of Notre Dame
Boston College	Haverford College	St. John's University	University of Oklahoma
Boston University	Hobart & William Smith Colleges	St. Olaf College	University of Pennsylvania
Bowdoin College	Howard University	Stanford University	University of Pittsburgh
Brandeis University	Indiana University	Stony Brook University	University of Portland
Brown University	Iowa State University	Suffolk University	University of Puget Sound
Bryn Mawr College	Johns Hopkins University	SUNY at Purchase College	University of Richmond
California Institute of Technology	Knox College	Syracuse University	University of Rochester
California Polytechnic State University, San Luis Obispo	Lewis & Clark College	The University of Alabama	University of Southern California
Carleton College	Louisiana State University	The University of Edinburgh	University of the Highlands and Islands, Inverness College
Carnegie Mellon University	Loyola Marymount University	The University of Oklahoma	University of Toronto
Case Western Reserve University	Loyola University Chicago	Trinity College	University of Tulsa
Centenary College of Louisiana	Loyola University New Orleans	Tufts University	University of Virginia
Claremont McKenna College	Mary Baldwin University	Tulane University	University of Washington, Seattle
Clarkson University	Massachusetts Institute of Technology	United States Air Force Academy	University of Wisconsin, Madison
Colby College	McGill University	University of Alberta	Vanderbilt University
College of William and Mary	Miami University - Oxford	University of British Columbia	Villanova University
Colorado School of Mines	Middlebury College	University of California, Berkeley	Virginia Tech
Colorado State University	Mount Holyoke College	University of California, Irvine	Vrije Universiteit Amsterdam
Columbia University	Muhlenberg College	University of California, Los Angeles	Washington and Lee University
Cornell University	New Mexico State University	University of California, San Diego	Washington University in St Louis
CUNY Borough of Manhattan Community College	New York University	University of California, Santa Barbara	Wellesley College
Dartmouth College	Northeastern University	University of Canterbury	Wesleyan University
DePaul University	Northwestern University	University of Chicago	Williams College
Drake University	Oberlin College	University of Colorado at Boulder	Xavier University of Louisiana
Drexel University	Ohio State University	University of Denver	Yale University
Durham University	Oklahoma State University	University of Evansville	
Duke University	Pennsylvania State University	University of Florida	
Embry-Riddle Aeronautical University, Daytona Beach	Portland State University	University of Illinois at Urbana- Champaign	
Emerson College	Pratt Institute	University of Maryland, College Park	
Emory University	Princeton University	University of Massachusetts, Amherst	
Florida Agricultural and Mechanical University	Purdue University	University of Miami	
Fordham University	Reed College		
George Mason University	Regis University		
George Washington University	Rhodes College		
Georgetown University	Rensselaer Polytechnic Institute		
	Rhodes College		
	Rochester Institute of Technology		