



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 846 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 10.75%
- Asian 30.37%
- White 20.09%
- Hispanic or Latino 33.56%
- Two or more Race Categories 4.72%
- Other 0.51%

During the 2022-2023 school year, about 38% of students at Carnegie Vanguard will be eligible for free/reduced lunch programs.

COLLEGE PLACEMENT CLASS 2022

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

NATIONAL RANKINGS

- **US News and World Report:** #40 in National; #1 in Houston
- **Niche!:** #3 in Best College Prep Public High Schools in Texas; #1 in Best Public High Schools in Houston

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 2022, the highest GPA score was 4.93 on a 4.0 weighted scale and the mean GPA score was 4.17 on a 4.0 weighted scale.

Letter grades and grade points are assigned as shown below:

Grade-Point Assignment

Letter Grade	Grading Scale	HISD Advanced, AP, and Honors Courses	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 Capstone (Seminar and Research), AP Physics 1, AP Human Geography, AP World History, AP US History, AP Economics, and AP US Government and Politics, and others. The highest level of math classes offered are Statistics 2 and Post-Calculus, 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, and Physics
- 4 credits of mathematics that include Algebra 1, Geometry, and Algebra 2
- 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 (2021 - 2022 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
2-D Art and Design	9	3.33	89%
Art History	29	3.38	76%
Biology	90	3.73	87%
Calculus AB	80	3.38	74%
Calculus BC	31	4.29	97%
Chemistry	56	3.18	66%
Chinese Language	6	4.17	83%
Computer Science A	40	3.73	80%
Computer Science Prin.	48	3.42	83%
Drawing	6	3.17	83%
English Language	216 (juniors)	3.36	76%
English Literature	240 (seniors)	3.41	83%
Environmental Science	91	3.66	80%
European History	19	3.63	84%
French Language	10	2.6	50%
German Language	1	4	100%
Human Geography	216 (freshmen)	3.7	81%
Japanese Language	1	5	100%
Macroeconomics	209 (seniors)	2.15	35%
Microeconomics	1 (seniors)	5	100%
Physics 1	106 (juniors)	2.86	52%
Physics C: Electricity and Magnetism	51	2.65	43%
Physics C: Mechanics	53	3.55	79%
Psychology	43	2.51	49%
Research	160 (juniors)	3.34	83%
Seminar	165 (sophomores)	3.19	84%
Spanish Language	41	4.15	98%
Spanish Literature	19	4	89%
Statistics	119	3.31	72%
United States Government and Politics	244 (seniors)	2.93	64%
United States History	215 (juniors)	2.91	59%
World History	223 (sophomores)	3.7	82%
Total Exams	2,838	3.25	72%

NATIONAL MERIT SCHOLARS CLASS OF 2022 (N = 248)

National Recognition	Number of Students	Percent of Class
National Merit Semifinalists	14	5.6%
Commended Scholars	54	21.7%

NATIONAL RECOGNITION PROGRAM AWARD CLASS OF 2023 (N = 203)

National Recognition	Number of Students	Percent of Class
National African American Recognition Award	18*	8.8%
National Hispanic Recognition Award	27*	13.3%
*1 student received both recognition awards		

SAT SCHOOL DAY 2021 TEST RESULTS (N = 147 tests)

SAT Reasoning Test Scores	75 th Percentile	50 th Percentile	25 th Percentile
ERW	710	660	620
Math	760	690	630
Total Score	1460	1350	1260

ACT TEST RESULTS 2021-2022 (N = 98 tests)

ACT Summary	Mean Score
English	28.2
Math	27.3
Reading	28.6
Science	27.3
Composite	27.9

DISTRIBUTION OF ACT SCORES 2021-2022 (N = 98 tests)

ACT Score	# of Carnegie Students	Percent Rank at Carnegie
36	0	NA
35	3	3%
34	5	5%
33	6	6%
32	8	8%
31	6	6%
30	6	6%
29	9	9%
28	9	9%
27	9	9%
26	9	9%
25	9	9%

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 2018 – 2022

16% of Class 2022 matriculated at the most selective colleges with acceptance rate below 25%.

Colleges in Texas

Austin College
Baylor University
Blinn College
Houston Baptist University
Houston Community College Honors
Lamar University
LeTourneau University
Lone Star College
Prairie View A&M University
Rice University
St. Edward's University

St. Mary's University
Sam Houston State University
San Jacinto College
Schreiner University
Southern Methodist University
Southwestern University
Stephen F. Austin University
Texas A&M University
Texas A&M University, Corpus Christi
Texas A&M University, Galveston
Texas Southern University
Texas State University

Texas Tech University
Texas Women's University
Trinity University
University of Houston
University of Houston, Downtown
University of North Texas
University of St. Thomas
The University of Texas at Arlington
The University of Texas at Austin
The University of Texas at Dallas
The University of Texas at San Antonio
The University of Texas at Tyler

Out-of-State Colleges

American University
Anglo-American University
Arcadia University
Arizona State University
Auburn University
Bentley University
Binghamton University
Boston College
Boston University
Brandeis University
Brown University
Bryn Mawr College
California Institute of Technology
California Polytechnic State University, San Luis Obispo
Carleton College
Carnegie Mellon University
Case Western Reserve University
Centenary College of Louisiana
Claremont McKenna College
Clarkson University
Colby College
College of Charleston
College of William and Mary
Colorado School of Mines
Colorado State University
Columbia College Chicago
Columbia University
Cornell University
Creighton University
CUNY Borough of Manhattan Community College
Dartmouth College
DePaul University
Drexel University
Duke University
Embry-Riddle Aeronautical University, Daytona Beach
Emerson College
Emory University
Fisk University
Fordham University
George Washington University
Georgetown University
Georgia Institute of Technology
Green Mountain College

Grinnell College
Hampton University
Harvard College
Harvey Mudd College
Haverford College
Hendrix College
Hillsdale College
Howard University
Indiana University
Iowa State University
Johns Hopkins University
Kalamazoo College
Knox College
Lake Forest College
Lewis & Clark College
Louisiana State University
Loyola Marymount University
Loyola University Chicago
Loyola University New Orleans
Marquette University
Mary Baldwin University
Massachusetts Institute of Technology
McGill University
Middlebury College
Mount Holyoke College
Muhlenberg College
New College of Florida
New Mexico State University
New York University
Northeastern University
Northwestern University
Nova Southeastern University
Oberlin College
Ohio State University
Oklahoma State University
Pennsylvania State University
Portland State University
Pratt Institute
Prescott College
Princeton University
Purdue University
Reed College
Regis University
Rensselaer Polytechnic Institute
Rhodes College

Roger Williams University
Santa Clara University
Sarah Lawrence College
Savannah College of Art and Design
Skidmore College
Simmons University
Smith College
Spelman College
St. John's College
St. John's University
St. Olaf College
Stanford University
Stony Brook University
SUNY at Purchase College
Syracuse University
The George Washington University
The New School
The University of Alabama
The University of Alabama in Huntsville
The University of Edinburgh
The University of Oklahoma
Trinity College
Tufts University
Tulane University
University College London
University of Alberta
University of British Columbia
University of California, Berkeley
University of California, Irvine
University of California, Los Angeles
University of California, San Diego
University of Canterbury
University of Chicago
University of Colorado at Boulder
University of Denver
University of Evansville
University of Florida
University of Illinois at Urbana-Champaign
University of Kansas

University of Maryland, College Park
University of Massachusetts, Amherst
University of Michigan, Ann Arbor
University of North Carolina School of the Arts
University of Notre Dame
University of Oklahoma
University of Pennsylvania
University of Pittsburgh
University of Portland
University of Puget Sound
University of Southern California
University of St. Thomas
University of the Highlands and Islands, Inverness College
University of Toronto
University of Tulsa
University of Victoria
University of Virginia
University of Washington, Seattle
University of Wisconsin, Madison
Vanderbilt University
Vassar College
Villanova University
Virginia Military Institute
Virginia Tech
Vrije Universiteit Amsterdam
Washington and Lee University
Washington University in St Louis
Wellesley College
Wesleyan University
Wheaton College, Massachusetts
Whitman College
Williams College
Worcester Polytechnic Institute
Xavier University of Louisiana
Yale University