



# 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 839 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 10.5%
- Asian 31.5%
- White 19.0%
- Hispanic or Latino 34.0%
- Two or more Race Categories 4.5%
- Other < 1.0%

During the 2023-2024 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:** #35 in National; #5 in Texas High Schools; #1 in Houston ISD
- **Niche!:** #4 in Best College Prep Public High Schools in Texas; #1 in Best College Prep Public High Schools in Houston Area

## 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 2023, the highest GPA score was 4.96 on a 4.0 weighted scale and the mean GPA score was 4.05 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 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 (2022 - 2023 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	12	3.4	100%
Art History	18	3.9	94%
Biology	101	3.4	77%
Calculus AB	89	3.8	76%
Calculus AB Subs	29	4.9	100%
Calculus BC	29	4.8	100%
Chemistry	68	3.8	87%
Chinese Language	11	4.1	100%
Comparative Government	1	3.0	100%
Computer Science A	28	4.2	89%
Computer Science Prin.	46	3.3	87%
Drawing	7	2.6	57%
English Language (juniors)	197	3.4	77%
English Literature (seniors)	199	3.5	88%
Environmental Science	30	3.3	73%
European History	21	3.8	86%
French Language	10	2.6	50%
German Language	1	5	100%
Human Geography (freshmen)	212	3.5	74%
Japanese Language	2	5	100%
Macroeconomics (seniors)	200	2.5	39%
Music Theory	2	3.5	100%
Physics 1 (juniors)	157	2.9	54%
Physics C: Electricity and Magnetism	39	3.1	56%
Physics C: Mechanics	41	3.8	85%
Psychology	72	2.7	53%
Research (juniors)	133	3.4	86%
Seminar (sophomores)	188	3.2	88%
Spanish Language	34	4.3	97%
Spanish Literature	17	3.9	94%
Statistics	193	3.1	66%
United States Government and Politics (seniors)	211	2.6	44%
United States History (juniors)	196	3.1	65%
World History (sophomores)	206	3.8	84%
Total Exams	2,772	3.3	72%

### NATIONAL MERIT SCHOLARS CLASS OF 2023 (N = 215)

National Recognition	Number of Students	Percent of Class
National Merit Semifinalists	12	5.6%
Commended Scholars	25	11.6%

### SAT SCHOOL DAY 2023 TEST RESULTS (N = 190 tests)

SAT Reasoning Test Scores	Mean Total Score 400-1600	Mean EBRW Score 200-800	Mean Math Score 200-800
Carnegie Vanguard HS	1304	653	652
District	918	471	447
State of Texas	957	487	470

### ACT TEST RESULTS 2022-2023 (N = 68 tests)

ACT Summary	Mean Score
English	28.9
Math	27.5
Reading	30.1
Science	27.4
Composite	28.6

### DISTRIBUTION OF ACT SCORES 2022-2023 (N = 68 tests)

ACT Score	# of Carnegie Students	Percent Rank at Carnegie
36	0	0.0%
35	6	8.8%
34	6	8.8%
33	5	7.4%
32	7	10.3%
31	5	7.4%
30	5	7.4%
29	3	4.4%
28	3	4.4%
27	6	8.8%
26	3	4.4%
25	3	4.4%

### 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 2019 – 2023

16% of Class 2023 matriculated at the most selective colleges with acceptance rate below 25%.

### Colleges in Texas

Austin College  
Baylor University  
Blinn College  
Houston Christian 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 Community College  
Schreiner University  
Southern Methodist University  
Southwestern University  
Stephen F. Austin University  
Texas A&M University, College Station  
Texas A&M University, Corpus Christi  
Texas A&M University, Galveston  
Texas Southern University  
Texas State University

Texas Tech University  
Texas Woman's University  
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  
Trinity University  
University of Houston  
University of Houston, Downtown  
University of North Texas  
University of St. Thomas

### Out-of-State Colleges

Amherst College  
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  
Drake University  
Drexel University  
Duke University  
Eckerd College  
Elon University  
Embry-Riddle Aeronautical University, Daytona Beach  
Emerson College  
Emory University  
Fisk University  
Florida Agricultural and Mechanical University  
Fordham University  
George Mason 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  
Marist College  
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

Rochester Institute of Technology  
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  
Suffolk 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  
United States Air Force Academy  
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 California, Santa Barbara  
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 Richmond  
University of Rochester  
University of San Francisco  
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  
William & Mary  
Williams College  
Worcester Polytechnic Institute  
Xavier University of Louisiana  
Yale University