



# 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 919 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 11.5%
- Asian 30.1%
- White 21.5%
- Latino or Hispanic 31.5%
- Two or more Races 4.6%
- Other <0.5%

During the 2021-2022 school year, about 30% of students at Carnegie Vanguard will be eligible for free/reduced lunch programs.

## COLLEGE PLACEMENT CLASS 2021

- 100% acceptance at 4-year colleges or universities
- 95% matriculated at 4-year colleges or universities
- 5% matriculated at 2-year colleges (honors programs)
- 27% matriculated at out-of-state colleges
- 2% matriculated abroad

## NATIONAL RANKINGS 2021

- **US News and World Report:** #42 in National; #1 in Houston
- **Niche!:** #20 in Best US College Prep Public High Schools in America; #1 in Best Public High Schools in Houston

## GRADING SYSTEM AND STUDENT RANKING

Carnegie Vanguard only publishes ranks 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.

The mean GPA score on a 4.0 weighted scale for class of 2021 is 4.1605. Letter grades and grade points are assigned according to the following scale:

## 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) 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 years of English that include AP English Language and AP English Literature
- 4 years of Social Studies that include 5 AP courses
- 4 years of Science that include Biology, Chemistry, and Physics
- 4 years of Mathematics that include Algebra 1, Geometry, and Algebra 2
- 1 year of a Research-based course
- 2 years or more of one Foreign Language
- 1 year of Fine Arts
- 1.5 years of Physical and Health Education
- 4.5 years or more of Electives

### ADVANCED PLACEMENT DATA (2020 - 2021 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 Design	11	3.2	82%
3D Art Design	1	2	0%
Art History	16	3.1	69%
Biology	77	3.1	69%
Calculus AB	73	3.1	60%
Calculus AB Subs	48	4.7	98%
Calculus BC	48	4.6	98%
Chemistry	86	3	64%
Chinese Language	3	5	100%
Computer Science A	44	3.2	64%
Comp Science Principles	60	2.9	58%
English Language	254 (juniors)	3.4	74%
English Literature	152 (seniors)	2.7	57%
Environmental Science	23	3.1	70%
European History	20	3.8	85%
French Language	8	3.4	63%
German Language	1	5	100%
Human Geography	232 (freshmen)	3.2	64%
Japanese Language	2	5	100%
Macro Economics	127 (seniors)	2.2	37%
Physics 1	163 (juniors)	2.6	51%
Physics C: Electricity & Magnetism	30	2.3	30%
Phys C: Mechanics	33	3.5	73%
Psychology	56	3.1	68%
Research	175 (juniors)	3.4	79%
Seminar	192 (sophomores)	3	83%
Spanish Language	49	3.9	86%
Spanish Literature	21	3.3	81%
Statistics	167	2.8	60%
US Government	140 (seniors)	2.6	54%
US History	249 (juniors)	3.1	67%
World History	239 (sophomores)	2.9	60%
Total Exams	2,752	3	65%

### NATIONAL MERIT SCHOLARS - CLASS 2021 (N = 164)

National Merit Scholars	Number of Students	Percent of Class
National Merit Semifinalists	17	10%
Commended Scholars	40	24%
Hispanic Scholars	11	7%
African American Scholars	3	2%

### SAT SCHOOL DAY 2021 TEST RESULTS (N = 241 tests)

SAT Reasoning Test Scores	Mean
Evidence-based Reading and Writing	656
Math	659
Total Score	1315

### ACT TEST RESULTS - CLASS 2021 (N = 46 tests)

ACT Summary	Mean
English	31.5
Math	30.3
Reading	31.9
Science	30.3
Composite	31.1

### DISTRIBUTION OF CLASS 2021 ACT SCORES

28% of Carnegie's 164 students in Class 2021 took ACT test (N = 46)

ACT Score	# of Carnegie Students	Percent Rank at Carnegie
36	1	2.2%
35	6	13.0%
34	8	17.4%
33	4	8.7%
32	5	10.9%
31	5	10.9%
30	2	4.3%
29	5	10.9%
28	4	8.7%
27	0	0.0%
26	2	4.3%
25	2	4.3%

### 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, and girls volleyball. 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 – 2021

16% of Class 2021 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  
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  
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  
College of Charleston  
College of William and Mary  
Colorado School of Mines  
Colorado State University  
Columbia College Chicago  
Columbia University  
Cornell University  
Creighton University  
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  
Harvard College  
Harvey Mudd College  
Haverford College  
Hendrix College  
Hillsdale College  
Howard 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  
Oberlin College  
Ohio State University  
Oklahoma 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  
Simmons University  
Spelman College  
St. John's College  
St. John's University  
St. Olaf College  
Stanford University  
Stony Brook University  
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  
University of North Carolina School  
of the Arts  
University of Notre Dame  
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 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  
Wheaton College, Massachusetts  
Whitman College  
Williams College  
Worcester Polytechnic Institute  
Xavier University of Louisiana  
Yale University