



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 931 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 12.5%
- Asian 29%
- White 21%
- Latino or Hispanic 33%
- Two or more Races 4%
- Other 0.5%

During the 2020-2021 school year, about 30% of students at Carnegie Vanguard will be eligible for free/reduced lunch programs.

COLLEGE PLACEMENT CLASS 2020

- 100% acceptance at 4-year colleges or universities
- 95% matriculated at 4-year colleges or universities
- 5% matriculated at 2-year colleges (honors programs)
- 29% matriculated at out-of-state colleges

NATIONAL RANKINGS

- **US News and World Report:** #44 in 2020, #2 in Houston
- **Niche!:** #28 in Best US College Prep Public High Schools in 2020 #1 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 Pre-AP, 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 2020 is 4.1. Letter grades and grade points are assigned according to the following scale:

Grade-Point Assignment

Letter Grade	Grading Scale	Pre-AP, AP, 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 Pre-Advanced Placement (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. The 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 (2019 - 2020 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 Macroeconomics, 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	% of 3, 4, 5
2D Art Design	10	80%
Art History	26	88%
Biology	36	100%
Calculus AB	47	57%
Calculus BC	37	100%
Chemistry	72	63%
Chinese Language	7	100%
Computer Science A	1	100%
Computer Science Principles	56	80%
Drawing	2	100%
English Language	161 (juniors)	82%
English Literature	124 (seniors)	65%
Environmental Science	11	91%
European History	14	93%
French Language	10	80%
Human Geography	250 (freshmen)	69%
Macroeconomics	108 (seniors)	55%
Physics 1	139	54%
Physics C: Mechanics	33	97%
Psychology	26	73%
Research	126 (juniors)	45%
Seminar	217 (sophomores)	80%
Spanish Language	58	97%
Spanish Literature	20	80%
Statistics	115	75%
US Government	119 (seniors)	65%
US History	164 (juniors)	68%
World History	270 (sophomores)	82%
Total Exams	2,290	72%

NATIONAL MERIT SCHOLARS - CLASS 2020 (N = 130)

National Merit Scholars	Number of Students	Percent of Class
National Merit Semifinalists	15	11.5%
Commended Scholars	24	18.4%
Hispanic Scholars	16	12.3%

SAT SCHOOL DAY APRIL 24, 2018 TEST RESULTS (N = 136 tests)

SAT Reasoning Test Scores	Middle 50%	Carnegie Mean	State of Texas Mean
Evidence-based Reading and Writing	600 – 690	668	483
Math	600 – 690	681	476
Total Score	1200 – 1390	1348	959

ACT TEST RESULTS - CLASS 2018 (N = 131 tests)

ACT Summary	Middle 50%	Carnegie Mean	National Mean
English	25 – 34	29.1	20.2
Math	26 – 32	28.9	20.5
Reading	27 – 34	29.7	21.2
Science	25 – 32	27.9	20.7
Composite	26 – 32	29.0	20.8

DISTRIBUTION OF CLASS 2018 ACT SCORES

92% of Carnegie's 142 students in Class 2017 took ACT test (N = 131)

ACT Score	# of Carnegie Students	Percent Rank at Carnegie
36	4	3.0%
35	6	4.5%
34	13	9.9%
33	9	6.8%
32	7	5.3%
31	13	9.9%
30	13	9.9%
29	9	6.8%
28	9	6.8%
27	9	6.8%
26	11	8.3%
25	10	7.6%

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 2017 – 2020

16% of Class 2020 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
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
University of Texas in Austin
University of Texas in Dallas
University of Texas in San Antonio
University of Texas in 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
Colorado State University
Columbia College Chicago
Columbia University
Cornell University
Dartmouth College
DePaul University
Drexel University
Duke University
Embry-Riddle Aeronautical University,
Daytona Beach
Emory 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
Middlebury College
Mount Holyoke College
Muhlenberg College
New College of Florida
New Mexico State University
New York University
Northeastern University
Oberlin College
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
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
Syracuse University
The George Washington University
The University of Alabama
The University of Alabama in Huntsville
The University of Edinburgh
The University of Oklahoma
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 Michigan
University of Notre Dame
University of Pennsylvania
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
Wellesley College
Wheaton College, Massachusetts
Whitman College
Williams College
Worcester Polytechnic Institute
Yale University