Colorado Academy

2019-2020
UPPER SCHOOL PROFILE

CEEB CODE 060393
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About Colorado Academy
Colorado Academy
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Denver, Colorado 80235-2404
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www.coloradoacademy.org

Founded in 1906, Colorado Academy is a coeducational independent day school for grades Pre-K through high school. CA develops the whole person for college and for life through excellence in academics, arts, athletics, 21st century skills, and character education.

Enrollment
Upper School Enrollment 9-12: 412
Total number of students in Pre-K through 12: 991
Upper School Enrollment: 9-12: 412
Class of 2020: 98
Graduation Requirements
- English: 4 years
- Mathematics: 3 years; 4 years recommended
- Global Language: 3 years of the same language
- Science: 3 years
- Social Studies: 3 years
- Visual and Performing Arts: 2 years
- Athletics: 2 years
- Experiential Education: One week each year
- Computer Science/Engineering & Design: 2 trimester credits

Trimester Calendar
Colorado Academy follows a trimester calendar with grades issued at the conclusion of each term (November 22, 2019; February 28, 2020; and May 29, 2020).

Curriculum
Colorado Academy offers a college preparatory curriculum emphasizing the basic disciplines in the liberal arts and sciences. The school emphasizes 21st century skills, including critical thinking and problem solving, communication, collaboration, creativity, cultural competence, and character development.

Course Offerings
(H) Honors  (AP) Advanced Placement

ENGLISH
- Grade 9: Coming of Age in the World
- Grade 10: American Literature
- Grades 11 & 12: Seminar Electives (H)
- English Literature (AP)

GLOBAL LANGUAGES
- Chinese I, II, III, IV
- French I, II, III, IV
- French Advanced Seminar (H)
- French Language & Culture (AP)
- Spanish I, II, III, IV
- Spanish Advanced Seminar (H)
- Spanish for Heritage Speakers (H)
- Spanish Language & Culture (AP)
- Spanish Literature (AP)

SOCIAL STUDIES
- Global Perspectives in the 21st Century
- American Studies
- Advanced European Studies (AP)
- Economics (AP)
- Human Geography (AP)
- Grades 11 & 12: Seminar Electives (H)

MATH
- Math 1; Math 2; Math 2e
- Math 3: Non-linear Functions and Trigonometry
- Advanced Algebra (H)
- Pre-Calculus; Pre-Calculus (H)
- Calculus
- Calculus, AB (AP)
- Calculus, BC (AP)
- Statistics (AP)
- Calculus III (AP Level)

SCIENCE
- Biology; Advanced Biology (H)
- Chemistry; Conceptual Chemistry; Chemistry (AP)
- Environmental Chemistry (H)
- Physics (H); Physics I (AP); Physics C (AP)
- General Physiology (H)
- Small World Initiative (H)

COMPUTER SCIENCE
- Introduction to Computer Programming with Python
- App Design and the Internet of Things
- Greenfoot Game Design and Physical Computing
- Robotics Playground
- Introduction to Probability and Randomness
- Data Analytics with Excel, SQL, and Tableau
- Programming with Swift
- Computer Science Principles (AP)
- Computer Science (AP)
- Adv. Computer Science & Data Structures (AP Level)

ENGINEERING AND DESIGN
Courses such as:
- Robotics
- Audio Engineering
- Digital Design & Fabrication
- 3D Digital Design & Fabrication
- Flight
- Toy Making
- Human-Centered Design
- Performance Innovations

Visual and Performing Arts
Painting, digital photography, filmmaking, ceramics, sculpting, dance, private music lessons, instrumental ensembles, jazz/rock combos, choir, specialized vocal groups, dramatic productions—these are just some of the ways CA’s Visual and Performing Arts program gives students the opportunity to discover and cultivate their creative interests. Selected students pursue Advanced Portfolio options for studio art, photography, and film, a Conservatory of Dance, and a Conservatory of Theater.

Athletics
Colorado Academy has some of the most competitive interscholastic teams in Colorado 3A, 4A, and 5A competition.

Signature Programs

REDI Lab
REDI (Research, Entrepreneurship, Design, and Inquiry) Lab asks select high school juniors to independently design innovative research and learning projects. These self-directed learners grow to be skilled problem solvers.

Experiential and Global Education
By turning the outdoors into their classroom, students learn geology, history, geography, anthropology, natural history, and stewardship of the environment. CA also encourages students to become global citizens with foreign travel and exchange school programs.

Leadership and Service
CA students take pride in offering peer leadership, both informally and with formal training through the Community Leadership Team. Every senior identifies an individual service passion and implements a project which meets a community need outside the school.

Innovation Lab
With access to everything from automated machine tools to a 3-D printer and laser cutter, the 1,300 square foot two-story Innovation Lab challenges students turn their designs and inventions into reality.

Students H.O.P.E.
For more than 25 years, H.O.P.E. (Helping Other People Eat), a volunteer program run entirely by students, has brought thousands of low-income families from around Denver to campus for a day that includes a hot holiday meal, clothing, games, visits with Santa Claus, gifts, and health checks.
**Grading Scale**
Colorado Academy uses the traditional A-F grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>2.5-2.99</th>
<th>3.0-3.29</th>
<th>3.3-3.59</th>
<th>3.6-3.99</th>
<th>4.0-4.09</th>
<th>4.1+</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>(4.0)</td>
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<td></td>
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<tr>
<td>A+</td>
<td>(3.67)</td>
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<tr>
<td>B</td>
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<tr>
<td>B+</td>
<td>(3.33)</td>
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<tr>
<td>C</td>
<td>(2.0)</td>
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</tr>
<tr>
<td>C+</td>
<td>(2.33)</td>
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<td></td>
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<tr>
<td>D</td>
<td>(1.0)</td>
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<td>(0.00)</td>
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</table>

For athletics, Practicum classes, and certain elective courses, the following grading letters are used:
HP = High Pass  
P = Pass  
F = Fail

**Grade Weighting**
Only AP (Advanced Placement) courses generate weighted grades.

**Class Rank**
Given the selective nature of admission to Colorado Academy, we do not rank our students.

**Cumulative GPA Distribution**

<table>
<thead>
<tr>
<th>Class Of 2020</th>
<th>2.5-2.99</th>
<th>3.0-3.29</th>
<th>3.3-3.59</th>
<th>3.6-3.99</th>
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<th>4.1+</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>21</td>
<td>22</td>
<td>12</td>
<td>4</td>
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</tr>
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</table>

**Class of 2019, Standardized Testing**

<table>
<thead>
<tr>
<th>Test</th>
<th>Middle 50%</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT</td>
<td>28-32</td>
<td>29.9</td>
</tr>
<tr>
<td>SAT Reading/ Writing</td>
<td>640-730</td>
<td>684</td>
</tr>
<tr>
<td>SAT Math</td>
<td>630-770</td>
<td>689</td>
</tr>
</tbody>
</table>

In 2019, 174 students took 372 AP exams in 19 subject areas, and 60 students took 124 SAT Subject Tests in 9 subject areas.

**Colleges Attended by Graduates in Classes 2016-2019**

Amherst College (1)  
Arizona State University (1)  
Auburn University (2)  
Augustana College (1)  
Barnard College (1)  
Bates College (3)  
Bennington College (1)  
Bentley University (1)  
Boston College (3)  
Boston University (3)  
Brown University (3)  
Bucknell University (2)  
California Institute of Technology (1)  
California Polytechnic State University, San Luis Obispo (1)  
Case Western Reserve University (1)  
Champlain College (1)  
Chapman University (4)  
Claremont McKenna College (3)  
Clemson University (2)  
Colby College (1)  
Colgate University (7)  
College of Charleston (3)  
College of Saint Benedict (1)  
College of William & Mary (2)  
Colorado Christian University (1)  
Colorado College (9)  
Colorado School of Mines (4)  
Colorado State University (6)  
Columbia University (3)  
Concordia College - Moorhead (1)  
Connecticut College (4)  
Cornell College (1)  
Cornell University (4)  
Creighton University (1)  
Dartmouth College (5)  
Davidson College (1)  
Denison University (3)  
DePauw University (1)  
Dickinson College (1)  
Duke University (1)  
Eckerd College (2)  
Elon University (3)  
Embry-Riddle Aeronautical University - Prescott (1)  
Emerson College (3)  
Emory University (1)  
Franklin & Marshall College (2)  
Georgetown University (1)  
Gonzaga University (2)  
Hamilton College - NY (2)  
Harvard College (4)  
Harvey Mudd College (1)  
High Point University (1)  
Hope College (1)  
Howard University (1)  
Indiana University at Bloomington (1)  
Ithaca College (1)  
Johns Hopkins University (1)  
Kenyon College (3)  
King's College London (1)  
Knox College (2)  
Lafayette College (1)  
Lehigh University (4)  
Loyola University Maryland (2)  
Macalester College (2)  
Marion Military Institute (1)  
Marquette University (2)  
Maryland Institute College of Art (3)  
Massachusetts Institute of Technology (3)  
McDaniel College (1)  
Miami University, Oxford (2)  
Middlebury College (7)  
Montana State University, Bozeman (4)  
Muhlenberg College (2)  
New York University (5)  
Northeastern University (4)  
Northwestern University (4)  
Occidental College (2)  
Ohio Wesleyan University (1)  
Oregon State University (2)  
Pepperdine University (1)  
Pitzer College (2)  
Pomona College (1)  
Princeton University (2)  
Purdue University (1)  
Reed College (1)  
Rhodes College (1)  
Rice University (1)  
Rollins College (1)  
Rose-Hulman Institute of Technology (1)  
Saint Anselm College (1)  
San Diego State University (1)  
Santa Clara University (4)  
 Scripps College (1)  
 Sewanee: The University of the South (2)  
 Skidmore College (5)  
 Smith College (2)  
 Southern Methodist University (5)  
 St. Edward's University (1)  
 St. Lawrence University (1)  
 St. Olaf College (1)  
 Stanford University (3)  
 Swarthmore College (2)  
 Syracuse University (2)  
 Texas Christian University (3)  
 The American Musical and Dramatic Academy (1)  
 The College of Wooster (3)  
 The University of Arizona (1)  
 The University of North Carolina at Chapel Hill (1)  
 The University of Tampa (1)  
 The University of Texas, Austin (1)  
 Trinity College (1)  
 Trinity University (3)  
 Tufts University (5)  
 Tulane University (6)  
 Union College (New York) (2)  
 United States Air Force Academy (1)  
 United States Military Academy - Army (2)  
 Université de Grenoble- Alpes (1)  
 University College Dublin (1)  
 University College Utrecht (1)  
 University of British Columbia (1)  
 University of British Columbia - Okanagan Campus (1)  
 University of California, Berkeley (4)  
 University of California, Davis (2)  
 University of Chicago (1)  
 University of Colorado at Boulder (31)  
 University of Denver (3)  
 University of Georgia (2)  
 University of Glasgow (1)  
 University of Miami (4)  
 University of Michigan (5)  
 University of Northern Colorado (1)  
 University of Notre Dame (1)  
 University of Oregon (5)  
 University of Pennsylvania (1)  
 University of Puget Sound (3)  
 University of Redlands (2)  
 University of Rhode Island (1)  
 University of Richmond (3)  
 University of San Diego (4)  
 University of Southern California (7)  
 University of St Andrews (2)  
 University of Stirling (1)  
 University of Vermont (6)  
 University of Virginia (3)  
 University of Wisconsin, Madison (4)  
 Ursinus College (1)  
 Vanderbilt University (1)  
 Vassar College (1)  
 Wake Forest University (5)  
 Washington and Lee University (2)  
 Washington State University (1)  
 Washington University in St. Louis (7)  
 Wellesley College (2)  
 Wesleyan University (6)  
 Western Washington University (2)  
 Whitman College (4)  
 Williams College (1)  
 Yale University (1)