



MILLER SCHOOL *of* ALBEMARLE

2016-2017 School Profile

CEEB Code: 471440

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FOUNDED IN 1878 BY SAMUEL MILLER as one of the nation's first coeducational boarding and day schools, Miller School of Albemarle is a college preparatory school offering grades eight through twelve and a post graduate program. Located on 1,600 acres in the foothills of the Blue Ridge Mountains just west of Charlottesville, Virginia, MSA provides a challenging boarding and day school program of academics, athletics, and fine and performing arts.

VISION STATEMENT: Our goal is to prepare young women and men for a productive, meaningful and successful life, in college and beyond. MSA achieves this goal with a rigorous and supportive program, talented faculty and staff, small classroom settings, substantive leadership opportunities and an emphasis on building character, improving communication skills and developing genuine fellowship. MSA's unique community builds responsible citizens, critical and insightful thinkers, and compassionate individuals.

Our nurturing school community promotes physical and emotional well-being, an understanding of world cultures and values, in a safe environment. MSA's historical tradition of implementing an approach of "Mind, Hands and Heart" stresses the need to learn how to accomplish ideas and projects in a sincere, heartfelt manner.

FACULTY: Our teaching faculty consists of thirty men and women, over 70% of whom hold advanced degrees.

SCHOOL CALENDAR: Classes meet five days a week for fifty minutes each day. The school year is divided into two semesters, each of which concludes with exams. The first semester runs from August to December; the second semester runs from January to May. Furthermore, all students participate in a week-long mini-mester program in January.

ACADEMIC PROGRAM: MSA offers a rigorous yet supportive college preparatory curriculum. The majority of students carry six academic courses per year. Advanced Placement and Independent Study courses are available, along with a Design/Build offering and an Applied Engineering Program.

ATHLETIC PROGRAM: The MSA athletic program embodies the spirit of the School's mission by educating the mind, hands, and heart through healthy and balanced athletic competition and team membership. In addition to traditional sports, MSA offers Equestrian, Ballet, a unique three-season Endurance & Cycling Program, Engineering Team, and an Outdoor Leadership Course.

SERVICE PROGRAM: A hallmark of MSA is a biweekly commitment to service. Every student participates in service to local nonprofit organizations or on-campus service to the MSA community.

ACCREDITATIONS AND AFFILIATIONS: MSA is accredited by the Virginia Association of Independent Schools and the National Association of Independent Schools. MSA is a member of The Association of Boarding Schools, the Small Boarding School Association, the Council for the Advancement and Support of Education, the National Honor Society, and the Secondary Schools Admissions Test Board.

At A Glance...

Current Students

	GIRLS	BOYS	TOTAL
Boarding Students	41	68	109
Day Students	21	51	72

Current student Population: 181

40% of our students receive financial aid

49% of our student body is multiethnic

32% of our student body is international,

including students from 15 different countries

Community

Class Size and Student Teacher Ratio

Average Class Size: 9

Largest Class Size: 17

Student-Teacher Ratio: 6:1

Honor

MSA students abide by an Honor Code: I will not lie, steal, or cheat, nor will I tolerate such conduct in others. Because it is our trust in the honorable conduct of each other that binds us together as a community, The Honor Code is foundational to Miller School of Albemarle life.

Leadership

All students at MSA develop good leadership skills and many students serve the student body in leadership positions in the following organizations:

- Honor Committee
- Resident Assistants
- Discipline Review Board
- Student Government
- National Honor Society
- Clubs & Student Organizations

College Entrance Exams:

Scores include students for whom English is a second language

<u>SAT Averages:</u>	<u>CR Reading</u>	<u>Math</u>
MSA Top Quartile	639	677
MSA Class of 2015	513	547
National (2015)	497	513

<u>ACT Averages:</u>	<u>Composite Score</u>
MSA Top Quartile	27
MSA Class of 2016	21
National 2015	21

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Academic Courses

English

- English 8 - 12
- Creative Writing

History

- World Cultures & Geography
- Ancient & Medieval Civilizations
- Europe & the World
- U. S. History & Government
- Economics
- Government: Political Philosophy

Science

- Earth Science (Grade 8)
- Biology
- Chemistry
- Conceptual Physics
- Environmental Science
- Land Management

Mathematics

- Pre-Algebra (Grade 8)
- Algebra I
- Geometry
- Algebra II
- Algebra III
- Pre-Calculus
- Calculus
- Statistics
- Computer Programming

Foreign Language

- Latin I - V
- French I - V
- Spanish I - V
- English for Speakers of Other Languages (ESOL)

Arts

- Studio Art I, II
- Advanced Art
- Honors Studio Art
- Studio Music I - V
- Singing I - V
- Beginning Photography
- Intermediate Photography
- Photography III
- Photography-Independent Study
- Design/Build I-III
- Design/Build-Independent Study
- Graphic Design/Yearbook Production

Other

- Applied Engineering
- Study Skills

Advanced Placement

- English Language & Composition
- English Literature & Composition
- French Language
- Spanish Language & Culture
- Spanish Literature & Culture
- Latin
- Biology
- Physics I
- Chemistry
- Calculus AB
- Calculus BC
- Statistics
- US History
- US Government & Politics
- European History

Applied Engineering Program

All students at the Miller School of Abemarle have the opportunity to participate in the Applied Engineering Program. This concentration allows students to explore the many facets of the engineering field. Students take foundational coursework in a diverse curriculum (e.g., Calculus, Physics, Chemistry, and Design/Build), and they receive relevant hands-on experiences through involvement in a variety of engineering groups, trips, and activities. With a broad offering of over 20 engineering preparatory courses (including 6 AP courses), students in the Applied Engineering Program are well positioned to become successful students in engineering classes at the college level.

The Applied Engineering Program requirements have been established to reward students who take advantage of MSA's many curricular and extracurricular opportunities. Each student chooses a unique course of study, earning credits toward a goal of 20 total credits to receive the Applied Engineering Program certificate.

Examples of Courses Earning Credit:

- AP Calculus AB or BC
- AP Physics
- AP Chemistry
- Applied Engineering
- Design/Build
- Computer Programming
- Land Management

Examples of Activities Earning Credits:

- Engineering Service Group
- Society of Women Engineers (SWE) Club
- Engineering Team
- FIRST Robotics®

Examples of Field Trips and Events Earning Credits:

- Charlottesville Maker Faire
- Charlottesville Tech Tour
- Virginia Tech Engineering Presentation
- MSA Science Olympiad
- MSA Engineering Showcase

Graduation Requirements

Department	CREDITS	Department	CREDITS
English	4	Fine Arts	2
History (Including US History & Govt.)	3	Electives	3
Mathematics (Including Geometry & Algebra II)	3	Physical Education*	2
Science (Including Bio & Chem or Physics)	3	Public Speaking**	
Foreign Language (2 credit min., same language)	3		

*Physical education credits are earned through mandatory athletics.

**Requires successful completion of speech composition and address to the student body.

GPA and Grading Policy

MSA does not rank students or weight GPAs.

GPA Scale - 100.0

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
59 and below	F

Recent College Acceptances (Schools Attended in Bold)

Arizona State University	Emory & Henry College	Radford University	University of Memphis
Bard College	Fordham University	Randolph-Macon College	University of North Carolina-Chapel Hill
Bates College	George Mason University	Rhode Island School of Design	University of Pittsburgh
Berklee College of Music	George Washington University	Rensselaer Polytechnic Institute	University of Richmond
Boston University	Hampden-Sydney College	Roanoke College	University of Saint Andrews
Brandeis University	Harvard University	Sewanee: University of the South	University of South Carolina
Brown University	Howard University	Smith College	University of Southern California
Champlain College	Indiana University	Syracuse University	University of Virginia
Chinese University of Hong Kong	James Madison University	SUNY Buffalo	University of Washington
Christopher Newport University	Longwood University	Tulane University	University of Wisconsin - Madison
Claremont McKenna College	Lynchburg College	Transylvania University	Vassar College
College of William and Mary	Michigan State University	University of California - Davis	Virginia Commonwealth University
College of Wooster	Middlebury College	University of California - Irvine	Virginia Military Institute
Dartmouth College	New York University	University of California - Los Angeles	Virginia Tech
Davidson College	North Carolina State University	University of California - Riverside	Virginia Wesleyan College
Davis & Elkins College	Ohio State University	University of California - San Diego	Wake Forest University
Denison University	Old Dominion University	University of California - Santa Barbara	Washington and Lee University
Dickinson College	Parsons New School for Design	University of Illinois	Wellesley College
Elon University	Pennsylvania State University	University of Maryland - Eastern Shore	West Virginia University
Emory University	Providence College	University of Mary Washington	Yale University

Grade Distribution

	A	B	C	D	F
English 11	9	16	7	4	
United States History	4	19	15		
American Government	20	8	4		
Economics	8	7	1		
Chinese I	3	4	1		
French I	5	1			
French II	1	2	3		
French III	2	2			
French IV	3	1			
Latin 1	15	10	3		
Latin II	7	1			
Latin III	4	4			
Latin IV/AP	3	2			
Latin V/AP		1			
Spanish I	17	3	6	1	
Spanish II	14	11	3		
Spanish III	2	4	1		
Spanish IV/AP	5	3			
Algebra II/Trigonometry	7	12	4	1	
Algebra III	6	7	3		
Geometry	12	9	11	1	
Pre-Calculus	6	5	10		
Calculus	3	4	3		
Statistics	4	3	1	1	
Biology	21	26	14		
Chemistry	24	15	7	2	
Physics	5	11	4		
Physics II	3	2			
AP English Language	4	7	1		
AP English Literature	13	1			
AP Biology	3	3	2		
AP Chemistry	7	2			
AP Calculus AB	7	4	2		
AP Statistics	4	3			
AP Macroeconomics	1	4	1		
AP Environmental Science	6	5	4		
AP U.S. History	3	7			
AP U.S. Government & Politics	3	6	1		
AP Macroeconomics	5	2			
AP Environmental Science		7			
AP U.S. History	2	12			
AP U.S. Government & Politics	4	5			
AP European History	6	5			

Test Scores / College Acceptances

Percentage of Students Scoring 3 or Higher on AP Tests

Subject	# Students Who Took Exam	% Scoring 3+	% Scoring 4+	% Scoring 5+
Biology	5	100%	0%	0%
Calculus AB	13	69%	39%	31%
Chemistry	9	11%	0%	0%
English Language	13	77%	46%	0%
English Literature	9	44%	11%	0%
Environmental Science	4	75%	75%	25%
Physics C: Electricity & Magnetism	1	100%	100%	0%
Spanish Language & Culture	5	60%	60%	0%
Macroeconomics	5	100%	60%	0%
Statistics	7	14%	0%	0%
U.S. Govt. & Politics	10	90%	80%	20%
U.S. History	10	70%	30%	10%

SAT Subject Test Scores

Subject	Mean
Biology - Molecular	560
English Literature	636
Math Level I	520
Math Level II	701
Physics	760
U.S. History	615
World History	725
Chemistry	600