

**U.S. News & World
Report “Best High
School”
since 2017**

2026 Rankings:

- **#16 Public High School in Massachusetts**
- **#13 Public High School in Boston Metro Area**
- **#385 Public High School in Nation**
- **#79 Public Charter High School in Nation**

Dr. Lisa C. Mobley
Executive Director

Mike Nawrocki
Principal

Amanda Cence
Vice Principal

James Fortier
Dean of Students

Jaquan James
Director of Athletics

Lindsay Currallo
Director of School
Counseling

Wylie Culhane
School Counselor

Sara Pantano
School Counselor

Katelyn Joness
School Counselor



2026-2027 High School Profile

Advanced Math & Science Academy Charter School

AMSA MISSION

This statement from AMSA’s Charter remains the foundation of all that we do:

The Advanced Math & Science Academy will create an atmosphere of celebration of knowledge where children of all backgrounds and abilities excel in all subjects, especially in math, science and technology, empowering them to succeed in the workplace in our modern high-tech world.

AMSA CORE VALUES

Building upon our Mission, we undertook a lengthy process of self reflection involving all stakeholders in the AMSA community. What emerged became AMSA’s Core Values. Collectively, we take pride in these values, and we promote them within and outside of our school. Individually, we hold ourselves responsible for embodying and reflecting these values each and every day.

MODEL INTEGRITY - Model integrity by being truthful in our work and caring in our relationships with people.

PURSUE YOUR EXCELLENCE - Pursue excellence by embracing the joy of learning, by being curious, by working hard, by persevering in the face of obstacles, by embracing creativity and innovation, and by constantly striving to improve. At AMSA, we reach for the stars!

FOSTER COMMUNITY - Foster community by being good citizens -- by helping others, by appreciating and celebrating diversity, and by collaborating kindly and supportively.

COMMUNITY & ENROLLMENT FOR 2026-2027

The Advanced Math&Science Academy (AMSA) opened its doors in 2005 and is located about 35 miles west of Boston. AMSA is a seven year, comprehensive public charter school, educating students in grades 6-12.

Admittance to AMSA is based on a space-availability lottery. There are no entrance exams. While preference in admission is given to families from AMSA’s core towns of Clinton, Hudson, Marlborough, and Maynard, students travel to AMSA from 30 different communities.

CLASS SIZES: Grade 9 = **140** Grade 10 = **137** Grade 11 = **132** Grade 12 = **140**

NATIONAL HONOR SOCIETY

The Advanced Math and Science Academy Charter School Chapter of the National Honor Society (NHS) selects members based on scholarship, service, leadership, and character. Eligible candidates must be juniors or seniors with a minimum unweighted GPA of 3.70. The selection process involves a review of academic records, completion of a Candidate’s Form, and faculty evaluations. Final selections are made by a Faculty Council through a majority vote. Inducted members are expected to maintain high standards and actively participate in service projects.

“I can’t say enough about the galactic difference between AMSA and other schools our children have attended. The community of teachers and administrators at AMSA has been exceptional, and the quality of students is second to none.”

Parents of Graduate, 7th Grader, and 12th Grader

GRADING SYSTEM / CLASS RANK / GPA CALCULATION

GPA is cumulative and weighted GPA on a 5.0 scale. GPA is calculated annually, beginning at the end of 9th grade. A GPA factor of 0.5 is added for Honors. A GPA factor of 1.0 is added for Advanced/ Advanced Placement / Post AP courses. AMSA does not rank.

Alpha	Numeric	AP / Post AP	Honors / Advanced	CP
A+	96.5 & above	5.30	4.80	4.30
A	92.5 – 96.0	5.00	4.50	4.00
A-	89.5 – 92.0	4.70	4.20	3.70
B+	86.5 – 89.0	4.30	3.80	3.30
B	82.5 – 86.0	4.00	3.50	3.00
B-	79.5 – 82.0	3.70	3.20	2.70
C+	76.5 – 79.0	3.30	2.80	2.30
C	72.5 – 76.0	3.00	2.50	2.00
C-	69.5 – 72.0	2.70	2.20	1.70
D+	66.5 – 69.0	2.30	1.80	1.30
D	62.5 – 66.0	2.00	1.50	1.00
D-	59.5 – 62.0	1.70	1.20	0.70
F	Below 59.5	0.00	0.00	0.00

AMSA 2026 SAT Cohort			
Percentile	Total	ERW	Math
75th	1390	690	720
50th	1250	610	620
25th	1120	550	550

“Every student is held to a high standard, and they are accomplishing amazing things. There are so many opportunities here for students that I haven’t seen in other schools.”

AMSA Teacher

COURSE LEVELS

College Preparatory (CP) – Courses are designed to prepare students for success in college.

Honors (H) and Advanced (Adv) – These classes cover more complex material, permit further in-depth study than a CP course, and require independent learning and greater effort.

Advanced Placement (AP) – A program created by the College Board to offer college-level curriculum and examinations to high school students.

Post AP Courses – These courses require an Advanced Placement course as a prerequisite. Post AP courses are also weighted the same as Advanced Placement courses.

CURRICULUM

AMSA’s curriculum is extremely rigorous, with a heavy focus on excellence in science, technology, and mathematics. Our classes are taught at a fast pace with significant emphasis on student initiative and independence, similar to college-level classes.

Every AMSA student receives comprehensive training in mathematical thinking and analysis– the foundation skills necessary for success in college/graduate learning as well as STEM and other careers. They learn not what to think, but how to think, using critical thinking and problem solving skills that are future-proof.

For a complete list of high school course offerings, please visit amsacs.org to view our Program of Studies.

Graduation Requirements: 28 Credits	
Math	4 Years
English	4 Years
Science	3 Years
History	3 Years
Foreign Language	2 Years
Computer Science	3 Years (1.5 Credits)
Art	2 Years (1 Credit)
Physical Education	3 Years
Health/Wellness	1 Year

“The teachers love what they do and are always pushing the boundaries with their innovative curriculum.”

Parents of 9th Grader and 12th Grader

ADVANCED PLACEMENT COURSES

Biology	French	Physics C: Mechanics
Calculus AB/BC	Government & Politics	Psychology
Chemistry	Latin	Spanish
Computer Science A	Macroeconomics	Statistics
English Language	Microeconomics	Studio Art
English Literature	Physics C: Electricity & Magnetism	U.S. History

2024 AP Scholar Awards	
Award	# Students
AP Scholar	32
AP Scholar With Honor	26
AP Scholar With Distinction	49

AMSA students took 440 AP Exams in the 2025-2026 school year. 88% of students scored 3, 4, or 5 on at least one exam. 81% of the class of 2026 took at least one AP exam while at AMSA.

MATH & SCIENCE RESEARCH OPPORTUNITIES

Post Advanced Placement Courses

Discrete Mathematics for CS
Full Stack Development
Intro to Cyber Security & Cryptography
Intro to Data Science
Linear Algebra/Differential Equations
Multivariable/Vector Calculus

Students conduct independent graduate-level research in areas such as Differential Equations in Natural Sciences, Astronomy, Biochemistry, Ecology, Engineering, Geochemistry/Hydrology, Molecular Biology, and Scientific Instrumentation. Students in Biochemistry have the opportunity annually to earn microcredentials from the Bioscience Core Skills Institute (<https://bcsi.bio/>), up to three microcredentials by graduation.

A scanning electron microscope donated by Thermo Fisher Scientific is taking the science research program to new heights. This unprecedented gift – one of the only electron microscopes housed at a public high school in the U.S. – gives AMSA students unrivaled learning and research opportunities normally only found in college science labs.

MATH LEVELS

	College Prep I	College Prep II	Honors	Advanced/AP /Post AP
Grade 9	Algebra I <i>and</i> Geometry A	Algebra II <i>and</i> Geometry I (CP)	Algebra II (H) <i>and</i> Geometry I (H)	Algebra II / Trigonometry <i>and</i> Advanced Geometry
Grade 10	Algebra II <i>and</i> Geometry B	Algebra III <i>or</i> Precalculus <i>and</i> Geometry II (CP)	Precalculus (H)	Advanced Precalculus / Beginning Calculus
Grade 11	Algebra III	Precalculus <i>or</i> Intro to Calculus	Calculus (H)	AP Calculus AB / BC
Grade 12	Precalculus <i>or</i> Accounting	Intro to Calculus <i>or</i> Statistics (H) <i>or</i> Accounting	AP Calculus AB / BC <i>or</i> Statistics (H)	Multivariable / Vector Calculus <i>and/or</i> AP Statistics <i>and/or</i> Linear Algebra

2026 Student Outcomes

2026 National Merit Scholars

7 Commended Students
2 semi-finalist

Attending 4 year Institution	Attending 2 year institution	Work, attend trade school, join the military	Gap or Service Year	% Accepted to 1 or more colleges
95%	2%	1%	2%	95%

We encourage risk-taking and creativity. We create an environment where it's safe for students to make mistakes.

~ Ms. Christina Jagielski, Science Academic Department Chair

American University	IE University - Madrid	Saint Joseph's College of Maine	University of Florida
Anna Maria College	Illinois Institute of Technology	Saint Michael's College*	University of Hartford
Arizona State University- Tempe	Indiana University Bloomington*	Salem State University	University of Houston
Assumption University*	Ithaca College*	Salve Regina University	University of Illinois at Urbana-Champaign*
Bentley University*	Jacksonville University	San Diego State University	University of Kentucky
Binghamton University, State	James Madison University	Seton Hall University	University of Limerick
University of New York	Johnson & Wales University, Providence	Siena University	University of Maine*
Boston Architectural College	Kansas State University	Simmons University	University of Maine at Farmington
Boston College*	Le Moyne College	Southern New Hampshire University	University of Maryland Eastern Shore
Boston University	Lesley University	Springfield College	University of Maryland, College Park*
Brandeis University*	Liberty University	St. John's University*	University of Massachusetts Amherst*
Bridgewater State University*	Long Island University- Post	State University of New York College at Geneseo	University of Massachusetts Boston*
Bryant University	Louisiana State University and Agricultural & Mechanical College	Stevens Institute of Technology	University of Massachusetts Dartmouth*
Buffalo State University, State	Loyola Marymount University	Stonehill College*	University of Massachusetts Lowell*
University of New York	Loyola University Maryland	Stony Brook University, State University of New York	University of Miami*
Case Western Reserve University	Marist University	Suffolk University	University of Michigan*
Champlain College	Massachusetts Bay Community College*	Syracuse University	University of Mississippi
Clark University	Massachusetts College of Art and Design	Technische Hochschule Ingolstadt and Airbus*	University of Montana
Clarkson University	Massachusetts College of Pharmacy and Health Sciences*	Technische Universiteit Eindhoven*	University of New England*
Clemson University	McGill University*	Temple University	University of New Hampshire*
Coastal Carolina University	Merrimack College*	Texas A&M University	University of New Haven
Colby College	Michigan State University	Texas State University	University of New Mexico
College of Charleston*	Middlebury College*	Texas Tech University*	University of North Florida*
College of the Holy Cross*	Montana State University	The American University of Rome	University of Oregon
Colorado State University	New College of Florida	The George Washington University*	University of Pittsburgh
Curry College*	New England College	The Ohio State University at Columbus*	University of Rhode Island
Dean College	New Jersey Institute of Technology	The University of Alabama*	University of Rochester
Drew University*	Nichols College*	The University of Arizona	University of South Carolina-Columbia
Drexel University	North Carolina State University*	The University of Kansas	University of South Florida
East Carolina University*	Northeastern University*	The University of North Carolina at Chapel Hill	University of Southern California
Eckerd College	Ohio University	The University of North Carolina at Charlotte	University of Southern Maine
Elon University*	Oklahoma State University	The University of Scranton	University of St Andrews*
Embry-Riddle Aeronautical University - Daytona Beach*	Oregon Institute of Technology	The University of Tennessee	University of Toronto*
Emerson College*	Oregon State University	The University of Texas at Austin	University of Vermont*
Emmanuel College*	Palm Beach Atlantic University	The University of Texas at Dallas	University of Virginia
Endicott College*	Paul Smith's College	Trinity College	University of Washington
Fairfield University*	Penn State University Park*	Tufts University	University of Wisconsin-Madison
Fisher College	Plymouth State University	Union College	University of Wyoming
Fitchburg State University	Providence College*	University College Dublin	Utica University
Flagler College	Purdue University*	University of California-Los Angeles	Villanova University*
Florida Atlantic University	Queen's University Kingston	University of California, Berkeley	Virginia Tech
Florida Gulf Coast University*	Quinnipiac University*	University of California, Davis	Washington and Lee University*
Florida Institute of Technology*	Quinsigamond Community College*	University of California, Irvine	Waterford Institute of Technology
Florida International University	Regis College*	University of California, San Diego	Wentworth Institute of Technology
Florida Southern College	Rensselaer Polytechnic Institute*	University of California, Santa Barbara	Western Michigan University
Florida State University	Rochester Institute of Technology*	University of Central Florida	Western New England University
Framingham State University*	Roger Williams University	University of Colorado Boulder	Westfield State University*
Franklin Pierce University*	Rollins College	University of Connecticut	Wheaton College
Georgia Institute of Technology*	Rose-Hulman Institute of Technology	University of Delaware*	Whitman College
Gordon College	Rutgers University - New Brunswick*	University of Denver	William & Mary
High Point University	Sacred Heart University	University of Edinburgh	Worcester Polytechnic Institute*
Hobart and William Smith Colleges	Saint Anselm College		Worcester State University*
Hofstra University			
Howard University			

* Indicates students attending