CEEB Code: 221349

2025-2026 High School Profile

Advanced Math & Science Academy Charter School

U.S. News & World Report "Best High School" since 2017
2025 Rankings:

- **#15 Public High School in Massachusetts**
- **#12 Public High School in Boston Metro Area**
- **#378 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

Chris Dugan
School Counselor

Nelly Carrasco
School Counselor

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 2025-2026

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 32 different communities.

CLASS SIZES: Grade 9 = **135** Grade 10 = **136** Grade 11 = **142** Grade 12 = **124**

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

2025-2026 High School Profile

GRADING SYSTEM / CLASS RANK / GPA CALCULATION

GPA is cumulative and we report 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 / Advanced level classes. A GPA factor of 1.0 is added for Advanced Placement / Accelerated courses. AMSA does not rank.

Alpha	Numeric	AP / Accelerated	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 2024 SAT Cohort			
Percentile	**Total**	**ERW**	**Math**
75th	1370	680	700
50th	1280	640	640
25th	1160	590	560

"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

Un-leveled – Courses have no distinction between College Prep or Honors. These include art, computer science, physical education, health and wellness, and most elective courses.

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 exami-nations to high school students.

Accelerated Courses (Acc) – These courses require an Advanced Placement course as a prerequisite. Accelerated 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

2025-2026 High School Profile

ADVANCED PLACEMENT COURSES

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

2024 AP Scholar Awards	
Award	**# Students**
AP Scholar	45
AP Scholar With Honor	31
AP Scholar With Distinction	47

AMSA students took a total of 504 AP Exams in the 2024-2025 school year. 89% of students scored 3, 4, or 5 on at least one exam. 85% of the class of 2025 took at least one AP exam while at AMSA.

AMSA earned a Platinum listing (highest level) on the College Board's 2024 AP School Honor Roll. AMSA also was recognized with the 2024 AP Access Award, which honors schools that encourage more low-income and underrepresented minority students to take AP Courses.

ACCELERATED COURSES

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

2025 National Merit Scholars

6 Commended Students

MATH LEVELS

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

SCIENCE RESEARCH OPPORTUNITIES

AMSA's flagship science research program offers students the opportunity to conduct graduate school level research in the 10th-12th grades. Students conduct independent research in areas such as Astronomy, Biochemistry, Ecology, Engineering, Geohemistry/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.

"We create an environment where it's safe for students to make mistakes. We encourage risk-taking and creativity. Growth comes from struggle, mistakes, and challenges."
Dr. Scott Joray, Founding Science Dept. Chair

2025-2026 High School Profile

CLASS OF 2025 COLLEGE ACCEPTANCES

Adelphi University
Alfred University
American University
Arizona State University-Tempe*
Assumption University
Augusta University
Bates College*
Baylor University
Bennington College
Bentley University*
Binghamton University
Boston College*
Boston Conservatory at Berklee*
Boston University*
Brandeis University
Bridgewater State University
Brigham Young University*
Bryant University
Case Western Reserve University*
Champlain College
Clark University*
Clemson University
Colby-Sawyer College
College of Charleston
College of the Holy Cross
Colorado Mesa University
Commonwealth University â€“ Bloomsburg, Lock Haven and Mansfield
Cornell University*
CUNY Hunter College
Curry College
Dartmouth College
Dean College
DePaul University
DeSales University
Dickinson College*
Drexel University
Elon University*
Embry-Riddle Aeronautical University-Daytona Beach
Emerson College*
Emmanuel College*
Endicott College*
Fisher College
Fitchburg State University
Florida Atlantic University
Fordham University
Framingham State University
Franklin Pierce University
Franklin W Olin College of Engineering
George Mason University
Georgia Institute of Technology-Main Campus*
Gettysburg College
Gonzaga University
Hampshire College
High Point University
Hobart and William Smith
Hofstra University
Husson University
Indiana University-Bloomington*
Iowa State University
Ithaca College
Johnson & Wales University-Providence
Keene State College
Lafayette College
Lasell University*
Le Moyne College
Lesley University
Liberty University
Louisiana State University
Loyola University Chicago*
Marist University
Marquette University
Marymount Manhattan College
Massachusetts Bay Community College*
Massachusetts College of Art and Design
Massachusetts College of Liberal Arts*
Massachusetts College of Pharmacy and Health Sciences*
Massachusetts Maritime Academy*
Mercer University
Merrimack College*
Miami University-Oxford
Michigan State University*
Mount Holyoke College*
Mount Wachusett Community College*
Nazareth University
New England College
New Jersey Institute of Technology
Nichols College
North Carolina A & T State University
North Carolina State University at Raleigh
Northeastern University*
Oakland University
Occidental College*
Ohio State University-Main Campus
Pace University*
Pennsylvania State University-Penn State Main Campus
Plymouth State University*
Point Park University*
Providence College
Purdue University Fort Wayne
Purdue University-Main Campus*
Quinnipiac University*
Quinsigamond Community College
Regis College*
Regis University
Rensselaer Polytechnic Institute*
Rivier University
Rochester Institute of Technology
Roger Williams University
Rose-Hulman Institute of Technology
Russell Sage College
Rutgers University-New Brunswick
Sacred Heart University*
Saint Anselm College
Saint Mary's College of California
Salem State University
San Diego State University
Siena University
Simmons University
Skidmore College
Southern New Hampshire University*
Southern Virginia University
Stonehill College*
Stony Brook University*
Suffolk University*
SUNY at Purchase College
SUNY Buffalo State
Syracuse University
Temple University
University of Delaware*
University of Hartford
University of Iowa
University of Louisville
University of Maine*
University of Manchester*
University of Maryland-Baltimore County
University of Maryland-College Park
University of Massachusetts-Amherst*
University of Massachusetts-Boston*
University of Massachusetts-Dartmouth*
University of Massachusetts-Lowell*
University of Miami*
University of Minnesota-Twin Cities
University of Mississippi
University of New Hampshire-Main Campus*
University of New Haven
University of North Carolina at Chapel Hill
University of Pittsburgh-Pittsburgh Campus
University of Rhode Island University of Rochester
University of Scranton
University of South Carolina-Columbia*
University of South Florida-Main Campus
University of Southampton
University of St Andrews*
University of Toronto*
University of Vermont*
Vermont State University (All Campuses)
Villanova University
Virginia Tech
Washington and Lee University
Wentworth Institute of Technology*
Western New England University
Westfield State University*
Wheaton College - Massachusetts
Worcester Polytechnic Institute*
Worcester State University*

**** Indicates students attending***

2025 Student Outcomes 91% attending 4-year institution ● 3% attending 2-year institution ● 5% working, attending trade school, or joined the military ● 1% taking gap or service year ● 89% accepted to at least one college or university