



The Academies of Loudoun opened for the 2018-19 academic year, serving students in the Loudoun County Public School Division. Located in Leesburg, Virginia, 33 miles northwest of Washington, D.C., The Academies of Loudoun merged three LCPS STEM programs into one school: The Academy of Engineering and Technology, the Academy of Science, and Monroe Advanced Technical Academy (MATA). LCPS high schools are accredited by the Southern Association of Colleges and Secondary Schools and the Virginia Board of Education. The Academies of Loudoun is a member of the National Association of College Admission Counselors (NACAC) and complies with the NACAC Guide to Ethical Practice in College Admission. The Academies of Loudoun is also a member of the National Consortium of Secondary STEM Schools (NCSS).

STUDENT POPULATION 2021-2022

9th Grade	273
10th Grade	305
11th Grade	770
12th Grade	756
Total	2104

POST-HIGH SCHOOL EDUCATION PLANS CLASS OF 2020

	AOS	MATA	AET
4-year College	97%	60%	97%
2-year College		19%	1%
Other Education		5%	1.5%
Military Work		2.4%	5%

SAT MEAN SCORES 2020

	Total	ERW	Math
National	1060	533	528
State	1151	584	567
AET	1436	698	738
AOS	1496	734	762
MATA	1178	598	579

ACT MEAN SCORES 2020

	Composite Score		
National			
State			
AET			
AOS			
MATA			

ENROLLMENT BY ETHNICITY/RACE 2021

Asian	48%	Multiracial	3%
Black/African-American	4%	White	34%
Hispanic	9%	Other	<1%

ECONOMICALLY DISADVANTAGED

Yes	3%	No	97%
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ADMISSIONS

Students are offered admissions through a highly competitive process. Students and their parents/guardians must be residents of Loudoun County at the time of their application. Students are selected on the basis of a review of their application, test scores, transcripts, teacher recommendations, and admissions assessments. Student motivation and a passion for STEM are some of most valuable characteristics of successful applicants. Highly motivated students who are consistent, dedicated learners have the greatest chance of success.

AP COURSES OFFERED 2021-2022

Mathematics	Calculus AB, Calculus BC, Computer Science, Statistics
Science	Biology, Chemistry, Physics, Environmental Science

DUAL ENROLLMENT COURSES OFFERED 2021-2022

AET	Entrepreneurship II
AOS	Multivariable Calculus
MATA	Intro to Health & Medical Science
	Medical Lab Technology I, II
	Radiology Technology I
	Pharmacy Technology I
	Environmental Plant Science I, II
	CISCO I, II, III, IV
	Computer Integrated Engineering and Design I
	Cybersecurity I, II
	Welding I, II, III

HONORS COURSES OFFERED 2020-2021

All AET and AOS courses are Honors level unless designated AP or DE.
 MATA Honors Courses: Administration of Justice I, II, Computer & Digital Animation I, Emergency Medical Technician, Computer Integrated Engineering and Design II, Pharmacy II, Radiology II

SPECIAL CURRICULUM FEATURES

- History & Mission** - The mission of the Academies of Loudoun is to empower students to explore, research, collaborate, innovate, and to make meaningful contributions to the world in the fields of science, technology, engineering and mathematics.
- The **Academy of Engineering & Technology (AET)** program (established in 2016) strives to provide academic STEM (Science, Technology, Engineering and Mathematics) pathways for students to engage in the study of engineering, information technology, and entrepreneurship. Students in the AET program will develop their creative and enterprising capacities, engage in engineering and research projects.
 - The **Academy of Science (AOS)** program (established in 2005) strives to provide students the opportunity to deeply engage in mathematics, science, and research, to promote creativity and innovation through problem solving and collaboration.
 - The **Monroe Advanced Technical Academy (MATA)** program, a Virginia Governor's STEM Academy, (originally established in 1978) strives to provide significant and relevant learning in Career & Technical Education (CTE) which allows students to explore and innovate while preparing for 21st century college and careers. Many of these courses are dual enrolled with Northern Virginia Community College, and all courses involve industry certification or credential exams.

Advanced Placement (AP) – Contains at least first year college level work. Students may receive college credit from post-secondary institutions through completion of AP exams. AP courses receive a weight of 1.0.

Dual Enrollment (DE) – Students may select from classes at Northern Virginia Community College or other colleges to earn both college and high school credits. Dual Enrollment courses receive a weight of 1.0.

TOP COLLEGES ATTENDED BY 2021 GRADUATES

AOS	MATA	AET
University of Virginia	Northern Virginia CC	University of Virginia
Georgia Tech	George Mason	Virginia Tech
Virginia Commonwealth	Virginia Tech	George Mason University
Duke University	Virginia Commonwealth	Georgia Tech
Purdue University	James Madison Univ	Virginia Commonwealth
University of Pittsburgh	Penn State University	University of Maryland
UC Berkeley	William & Mary	Purdue
Virginia Tech	Christopher Newport	Cornell
University of Maryland	George Washington Univ	Penn State
University of Pennsylvania	University of Virginia	University of Pittsburgh

AWARDS AND DISTINCTIONS

National Merit Semi-Finalists 2020	30	
National Merit Commended		
Merit Based Scholarship	Academies of Loudoun	\$11,330,653
Industry Certifications/Credentials 2021	2,016	Certifications/103 disciplines

COUNSELORS

- Mr. Anthony Bauer, Director of School Counseling
- Ms. Amy Burgess, Counselor
- Ms. Anna Rizzo, Counselor
- Mr. Andrew Tafaro, Counselor
- Ms. Michelle Trudel, Counselor

Loudoun County Public Schools closed on March 12, 2020 during the 3rd quarter due to the COVID-19 pandemic. Beginning April 15, 2020, teachers began teaching new content for 4th quarter through synchronous and asynchronous virtual learning opportunities. Students were given the option to select a final grade of Pass (P) or their calculated grade (A+ - D).

NOTICE OF CONFIDENTIALITY OF RELEASED STUDENT RECORDS:

The attached scholastic records are released to you under allowable provisions of Public Law 93-380 Section 438 on the condition that you will not permit any other party to have access to these records or will not release the information contained therein in personally identifiable form to any other party without written consent of the student (if 18 years of age or older or attending an institution of post-secondary education) or the parents of the student (if under 18 years of age and not attending an institution of post-secondary education).