



ACADEMIES OF LOUDOUN
 42075 Loudoun Academy Drive, Leesburg, Virginia 20175
 Phone: 571-252-1980
 Dr. Tinell Priddy, Principal
 www.lcps.org/acl
CEEB Code: 472015



The Academies of Loudoun is a STEM magnet high school (grades 9-12) in the Loudoun County Public School system. Located in Leesburg, Virginia, 33 miles northwest of Washington, DC, the Academies of Loudoun is one school community that offers three advanced academic curricular programs. The Academy of Engineering & Technology (AET) curricular program provides students the opportunity for deep, rigorous learning and research in engineering, information technology/computer science, and entrepreneurship. The Academy of Science (AOS) curricular program provides an opportunity for students to engage in mathematics, science, and research which promotes innovation, problem-solving, and collaboration. The Monroe Advanced Technical Academy (MATA) program, a Governor's STEM Academy, provides significant and relevant learning in Career & Technical Education (CTE) which allows students to explore and innovate while preparing for 21st century college and careers (26 pathway options). LCPS high schools are accredited by Cognia Global Commission 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 Code of Ethics and Professional Practices. The Academies of Loudoun is also a member of the National Consortium of Secondary STEM Schools (NCSSS).

STUDENT POPULATION 2023-2024

9th Grade	300
10th Grade	316
11th Grade	748
12th Grade	807
Total	2171

POST-HIGH SCHOOL EDUCATION PLANS CLASS OF 2023

	AET	AOS	MATA
4-year College	97%	99%	72%
2-year College	< 1%	<1%	14%
Other Education	< 1%		5%
Military			<1%
Work			3%

SAT MEAN SCORES 2022

	Total	ERW	Math	LCPS
AET	1439	701	738	Total 1178
AOS	1508	742	766	ERW 595
MATA	1169	594	575	MATH 583

ACT MEAN SCORES 2022

	Composite Score	LCPS
AET	31	Composite 26
AOS	34	
MATA	25	

ENROLLMENT BY ETHNICITY/RACE

Asian	47%	Multi-racial	4%
Black/African-American	5%	White	33%
Hispanic	11%	Other	0%

ECONOMICALLY DISADVANTAGED

Yes	12%	No	88%
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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, transcript 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 2023-2024

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

DUAL ENROLLMENT COURSES 2023-2024

AET Entrepreneurship II
 MATA Biomedical Technology I
 MATA Cybersecurity I, II
 MATA CISCO I, II, III, IV
 MATA Environmental Plant Science
 MATA Introduction to Health & Medical Science
 MATA Medical Lab Technology I, II
 MATA Radiology Technology I
 MATA Welding I, II, III

HONORS COURSES 2023-2024

***All AET and AOS courses are honors level courses or above, AP or DE.**

MATA Honors Courses:

Administration of Justice I, II, Computer & Digital Animation I, Computer Integrated Engineering & Design I, II, Emergency Medical Technology I, II, Pharmacy Technology I, II, Radiology Technology II.

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+ to D-).

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 and develop their creative and enterprising capacities while engaging in multiple 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, licensing 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.

Honors (H) – Highly rigorous; exceeds grade level norms. Honors courses receive a weight of .5.

***AET & AOS Multivariable Calculus** courses are considered post-AP courses and receive a weighting of 1.0.

TOP COLLEGES ATTENDED BY 2023 GRADUATES

AET	AOS	MATA
U of Virginia	U of Virginia	Virginia Commonwealth U
Virginia Tech	Virginia Commonwealth U	George Mason U
Georgia Institute of Technology	U of Maryland - College Park	Virginia Tech
George Mason U	Virginia Tech	Northern Virginia CC
U of Maryland - College Park	Georgia Institute of Technology	James Madison U
Penn State U - Main	Drexel U	U of Virginia
Purdue U	Johns Hopkins U	Brigham Young U
College of William & Mary	U of California - Berkeley	Penn State U
James Madison U	Purdue U	College of William & Mary
Cornell U	U of Pittsburgh	Savannah C of Art & Design

AWARDS AND DISTINCTIONS

National Merit Semi-Finalists: 43
 Merit Based Scholarship Awards: \$11,000,000
 Industry Certifications: 1,900 Certifications/72 Disciplines

COUNSELORS

Amy Burgess, Director of School Counseling
 Clark (Jack) Madden, Counselor
 Maria Porto, Counselor
 Andrew Tafari, Counselor
 Michelle Trudel, Counselor

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).