COLLEGE READY.
CAREER READY.
LIFE READY.

Amro Mosaad, Principal

Edison Academy Magnet School
Profile 2026-2027

Mission Statement and Focus: To attract and inspire the brightest students of Middlesex County and cultivate them in a close-knit learning community that prepares them to be ethical, thoughtful, and innovative STEM leaders equipped to solve complex global challenges.

The Edison Academy Magnet School is a career academy that offers a highly focused four-year program in Civil/Mechanical Engineering (CMET) or Electronic/Computer Engineering (ECET). The curriculum is comprehensive, emphasizing the interrelatedness among science, mathematics, technology, and the humanities, and is designed to challenge students to think globally. All academic courses are taught at the Honors or AP level.

Community and History: The school is one of two career academies and one of six campuses offering a specialized career and technical education within the Middlesex County Magnet School District. The building is on the campus of Middlesex College and students have the opportunity to take both college and dual enrollment courses. Edison Academy students also have the option to pursue a pathway towards an Associates Degree in Mathematics from Middlesex College. In the past two years, 19 students have earned an Associates Degree.

The school opened in 2000 and the Class of 2026 was the 23rd graduating class. Eighth-grade students who live in Middlesex County are eligible to apply. Less than 10% of applicants are accepted.

Honors:

- US News & World Report Gold Medal since 2013
- US News & World Report ranked one of the top 3 high schools in NJ since 2019
- US News & World Report ranked as a top-ten STEM High School in the nation
- Blue Ribbon School of Excellence by the United States Department of Education, 2013

Classes

Grade 9	Grade 10	Grade 11	Grade 12
Exploratory Engineering, MCET/ECET 9	CMET/ECET 10	CMET/ECET 11	CMET/ECET 12
English 9 H	**AP English Language**	English 11 H	**AP English Literature**
AP Biology	**AP Chemistry**	**AP Physics 1**	**AP Env Sci/AP Physics C**
Algebra 2 H	**AP Pre-Calculus**	**AP Calculus BC**	Calculus III
World History H	US History 1 H	**AP US History 2**	Art, Elective*
Visual Arts	Spanish 2 or 3 H	Elective*	Technical Writing / Senior Seminar
Health/PE 9	Health/PE 10	Health/PE 11	Health/PE 12

*Electives: Spanish 3, Spanish 4, **AP Spanish**, **AP Statistics**, Discrete Math, Linear Algebra

Engineering Curriculum: The school is a career academy with each student majoring in either Civil and Mechanical Engineering Technology (CMET) or Electronic and Computer Engineering Technology (ECET) after exploring both majors during their first semester.

Engineering classes focus on the development of problem solving skills. Students learn and apply the engineering design process in their respective disciplines and course material is often at the college level. Students utilize technologies relevant to their discipline, including SolidWorks® in CMET and Java and AWS in ECET. The school has multiple 3-D printers available for students to fabricate components designed using SolidWorks®.

Project-based learning and teamwork are emphasized. The Engineering program culminates in the senior year Capstone Project. Students work in teams and select, in consultation with the instructor, an engineering project that solves a real-world problem. Each team designs a product from conception to realization and presents it to students, staff, and guests at our Senior Showcase at the end of the year.

Students also complete a 10-day workplace mentorship/shadowing experience outside of school. The purpose of the Senior Mentorship program is to complement the technical skills learned in school with the soft skills learned in a professional work environment. Students have the opportunity to apply valuable skills learned in school including research, problem solving, organization, and public speaking.

AP Exams

Year	2026	2025	2024
Number of Exams	515	497	485
Average Score	4.4	4.3	4.3
% of Total AP Students with 3+	97%	97%	97%

Grading

A+ 98-100	B+ 86-89	C+ 76-79
A 92-97	B 82-85	C 72-75
A- 90-91	B- 80-81	C- 70-71
D 65-69	F Below 65	

Minimum Grade 50

SAT/PSAT Mean Scores & NMSQT	ERW	Math	PSAT	Commended	Semifinalists	Finalists
(Data for the Class of 2026)	721	754	1412	32	6	6

Colleges Attended by the Class of 2026 (44 students) - 100% College Attendance		
Boston University	**Indiana University**	**University of California, Berkeley**
Brown University	**Massachusetts Institute of Technology**	**University of California, San Diego**
California Institute of Technology	**New Jersey Institute of Technology**	**University of Illinois Urbana-Champaign**
Carnegie Mellon University	**Princeton University**	**University of North Carolina at Chapel Hill**
Cornell University	**Purdue University**	**University of Pennsylvania**
Emory University	**Rice University**	**University of Pittsburgh**
Duke University	**Rutgers University**	**University of Texas at Austin**
Georgia Institute of Technology	**Stanford University**	