



**COLLEGE READY.  
CAREER READY.  
LIFE READY.**

Amro Mosaad, Principal  
Kelly Nakielny, Assistant Principal

## **Edison Academy Magnet School Profile 2025-2026**

**Mission Statement and Focus:** The mission of the Edison Academy Magnet School is to offer a rigorous, comprehensive curriculum that provides the opportunity to develop the skills and knowledge that are prerequisites for success in engineering.

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 five 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. Thirteen students, nearly one-third of the Class of 2025, earned an Associates Degree in 2025.

The school opened in 2000, and the Class of 2025 was the 22nd 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**

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

\*Electives: Spanish 3, **AP Spanish**, **AP Statistics**, Discrete Math

**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	2025	2024	2023
Number of Exams	497	485	471
Average Score	4.3	4.3	4.4
% 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		

<b><u>SAT/PSAT Mean Scores &amp; NMSQT</u></b> (Data for the Class of 2025)	<b><u>ERW</u></b> 738	<b><u>Math</u></b> 764	<b><u>PSAT</u></b> 1462	<b><u>Commended</u></b> 26	<b><u>Semifinalists</u></b> 14	<b><u>Finalists</u></b> 14
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<b>Colleges Attended by the Class of 2025 (41 students) - 100% College Attendance</b>		
<b>Carnegie Mellon University</b>	<b>Northwestern University</b>	<b>University of Alabama</b>
<b>Columbia University</b>	<b>NJIT</b>	<b>University of Pennsylvania</b>
<b>Cornell University</b>	<b>NYU</b>	<b>University of Illinois Urbana-Champaign</b>
<b>Georgia Institute of Technology</b>	<b>Purdue University</b>	<b>University of California, Berkeley</b>
<b>Duke University</b>	<b>Rensselaer Polytechnic Institute</b>	<b>University of Maryland</b>
<b>Harvard University</b>	<b>Rice University</b>	<b>University of Richmond</b>
<b>MIT</b>	<b>Rutgers University</b>	