

Morris County School of Technology

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Morris County
Vocational School District
Inspire. Prepare. Succeed.

2024 - 2025

HIGH SCHOOL ACADEMIES PROFILE

School and Community

The Morris County Vocational School District (MCVSD) offers Career and Technical Education (CTE) programs for Morris County high school students. The academies are public programs of choice for Morris County residents. Students apply to an Academy program during the fall of their 8th-grade year, and the admissions process is competitive.

The academies provide students a unique high school experience combining comprehensive, high-quality academics with career and technical education (academy) classes. Each academy is a small cohort learning community. Morris County School of Technology students experience all that CTE offers, including work-based learning, mentorship from business and industry partners, access to Career and Technical Student Organizations (CTSOs), dual credit college programs, and hands-on/project-based learning.

The Morris County School of Technology (MCST) houses ten full-time academies. There are approximately 800 full-time students from over 25 Morris County school districts.

FACTS AT-A-GLANCE

School Enrollment

221 **192**

Freshmen Sophomores

189 **193**

Juniors Seniors

Post-Secondary Plans

Graduates Pursuing
Post-secondary Education

91%

4-year college

9%

2-year college

Class of 2024

196 **20**

Graduates Average Class Size

School Accomplishments

DECA Medal Winners
HOSA First Place Medal Winners
Gov Stem Scholars Program
National Merit Finalists & Semifinalists
NJ Scholars
Rutgers Distinguished Scholars
Seal of Biliteracy Awards
SkillsUSA Gold Medal & National Winners
National African American Recognition
Award (NAARA)
National Hispanic Recognition Award
(NHRA)

College Entrance Exams

Class of 2024

	Mean	Median	NJ Mean
SAT	1302	1310	1066
ACT	27	27	24.6

The Morris County Vocational School District does not discriminate on the basis of race, color, ethnicity, national origin, religion, creed, sex, age, parental status, physical disability, learning disability, or sexual orientation.

ACADEMIES LOCATED AT THE MORRIS COUNTY SCHOOL OF TECHNOLOGY

Animal Science (AS)
Biotechnology (BT)
Computer & Information Sciences (CIS)
Culinary Arts (CUL)
Design (DSN)
Education & Learning (E&L)
Global Commerce (GC)

- Finance & International Business (FIN)
- Global Supply Chain Management (GSCM)

Health Care Sciences (HCS)
Law & Public Safety (LPS)
Multimedia (MM)

SATELLITE ACADEMIES

Aviation (located at Roxbury High School)
Business Administration-Early College (located at Randolph High School)
Environmental Science (located at Jefferson Twp. High School)
Government & Leadership (located at Madison High School)
Math, Science & Engineering (located at Morris Hills High School)
Performing Arts - *Dance, Musical Theatre* (located at Morris Knolls High School)
Sports Medicine (located at Roxbury High School)

SCHEDULE & GRADUATION REQUIREMENTS

Students work on a block schedule with alternating A & B days. Those who desire an Academy Endorsed Diploma are required to obtain a minimum of 155 credits, including a 120 hour internship, and meet all graduation requirements in accordance with New Jersey Administrative Code 6A:8-5.1. Students participate in the State Assessments.

CURRICULUM

Required Courses

English
Health/Physical Education
Mathematics
Science
Social Studies
World Language
General Electives
Visual & Performing Arts
Financial Literacy
Academy Program
Structured Learning Experience

Academy Specific

CIS students take Computer Science I & II
Optional Data Analytics Certification through County College of Morris

FIN students take one additional honors course - College Level Accounting

HCS students take an additional four honors courses in accordance with their academy curriculum.

Four-Year Course Offerings

ENGLISH

English I
English II*
English III*
English IV

MATHEMATICS

Algebra I
Geometry*
Algebra II/Trigonometry*
Pre-Calculus*
Calc*
Prob/Stat

SCIENCE

Biology
Chemistry*
Physics* (starting in 2019-2020)
Anatomy and Physiology I (H)
Environmental Science

* Honors Courses Only Open to Grades 10-12

WORK BASED LEARNING EXPERIENCE

120-hour required internship in academy-related field of study

Option II

Option II courses receive Pass/Fail (P/F) and are not calculated into the GPA.

SOCIAL STUDIES

World History
US History I*
US History II*
Economics*

WORLD LANGUAGE

Spanish I, II, III*, IV*
French I, II, III

Grade 12 Option Dual Enrollment

A structured program where qualified MCVSD high school Seniors may accelerate their learning by enrolling in college-level courses that are aligned with their current Academy curriculum. Students attend on the actual college campus, in person, are taught by college faculty, and follow the college semester calendar. Students are dually enrolled in high school and college, building two distinct transcripts: a Morris County School of Technology (MCST) transcript, and a permanent college transcript issued by the college partner. MCVSD funds up to 24 college credits. Participating schools include: The County College of Morris, Ramapo College, Centenary University, Fairleigh Dickinson University, Montclair State University, and William Paterson University.

Academy Program Courses (Grade 9- 11)

AS: Evolutionary Biology & Taxonomy, Animal Ethics & Animal Careers, Animal Physiology & Pathology

BIO: Bioethics, Experimental Design, Introductory Biotechnology, Applied Biotechnology, Special Topics in Biotechnology

CIS: Foundations of Computer Science I & II, Computer Science Programming I & II, Software Design, Emerging Technologies

CUL: Intro to Culinary Arts, Cooking Foundations, Baking & Pastry/Advanced Culinary Skills

DSN: Design Concepts, I, II, III

E&L: Intro to Field of Education, Childhood Development & Learning, Advanced Topic in Education

FIB: International Business, Core Four, Intro to Business Law, Principles of Finance, College Level Accounting Honors, Virtual Enterprise International

GSCM: International Business, Core Four, Intro to Supply Chain Management, Supply Chain Strategy, Virtual Enterprises International, Logistics Optimization and Sustainability

HCS: Dynamics of Health Care I, II H, Medical Terminology II H, Health Science Foundations, Intro to Clinical Research H, Clinical Practicum, Special Topics in HCS, Medical Health & Wellness, A & P I

LPS: Civil & Criminal Law, American Law & Constitution, Crime in Society

MM: Multimedia Foundations, Sight & Sound & Story Telling, Media Studies & Exploration

Grade 12 Options

- Career Related Independent Study
- CTE Electives (Seniors only)
 - Biotechnology Exploration
 - Culinary ARB Exploration
 - Principles of Scientific Inquiry
- Dual Enrollment (See page 2)
- Emergency Medical Technician Certification (HCS & LPS Only)
- Senior Capstone
- Academy Exploration Courses

College Acceptances 2020-2024

The following list represents a sampling of college acceptances.

American University	New York University
Babson College	Northeastern University
Barnard College	Northwestern University
Baylor University	Penn State University
Bentley University	Pepperdine University
Binghamton University	Princeton University
Boston University	Purdue University
Brown University	Quinnipiac University
Bucknell University	Rensselaer Polytechnic Institute
California Polytechnic State University	Rice University
Carnegie Mellon	Rochester Institute of Technology
Case Western Reserve University	Rowan University
Clemson University	Rutgers University
College of William and Mary	SCAD Stevens University
Columbia University	Skidmore College
Columbia University	Stevens Institute of Technology
Cooper Union	Syracuse University
Cornell University	Temple University
Culinary Institute of America	Texas A & M University-College Station
Delaware Valley University	The College of New Jersey
Drew University	The George Washington University
Drexel University	The Julliard School
Duke University	The Ohio State University
Duquesne University	The University of Arizona
Elon University	The University of British Columbia
Emerson College	The University of North Carolina at Chapel Hill
Fairfield University	Tufts University
Fairleigh Dickinson University	University at Buffalo SUNY
Fashion Institute of Technology	University of California
Florida State University	University of Connecticut
Fordham University	University of Delaware
Franklin & Marshall College	University of Indiana
Georgetown University	University of Maine
Gettysburg College	University of Maryland
Harvard University	University of Massachusetts
High Point University	University of Miami
Hofstra University	University of Michigan
Ithaca College	University of New Hampshire
James Madison University	University of Notre Dame
John Jay College of Criminal Justice	University of Pittsburgh
Johns Hopkins University	University of Rhode Island
Johnson & Wales University	University of South Carolina
Kutztown University of Pennsylvania	University of Surrey
Lafayette College	University of Texas–Austin
Lehigh University	University of Toronto
Loyola University Maryland	University of Virginia
Lynn University	University of Wisconsin-Madison
Marist College	Vanderbilt University
Marymount Manhattan College	Villanova University
McGill University	Virginia Tech
Michigan State University	West Virginia University
Middlebury College	Worcester Polytechnic Institute
Montclair State University	Xavier University
Muhlenberg College	
New Jersey Institute of Technology	

GRADE POINT AVERAGE & ACADEMY SCHOLARS

A cumulative grade point average is maintained on all students beginning with freshman year based on final grades in each course. Student transcripts contain weighted and unweighted GPA's. MCST does not report class rank, replacing this with Academy Scholars. Academy Scholars are students who exemplify the vision and mission of MCST through outstanding academic achievement, leadership and a strong interest in learning with a focus on their academy/career cluster. These students are well-pointed and work to reach their fullest potential with consistent effort to excel and grow and inspire others both educationally and personally.

RANGE	WEIGHTED	UNWEIGHTED
97-100	5.3	4.3
94-96	5.0	4.0
90-93	4.7	3.7
87-89	4.3	3.3
84-86	4.0	3.0
80-83	3.7	2.7
77-79	3.3	2.3
74-76	3.0	2.0
70-73	2.7	1.7
67-69	1.3	1.3
64-66	1.0	1.0
60-63	0.7	0.7
<60	0.0	0.0
P (Pass)	N/A	N/A

GRADING SYSTEM & GRADE POINT AVERAGE SCALE

Class of 2025	Academy	Unweighted	Weighted
Highest Actual	AS	4.30	4.65
	HCS	4.29	5.01
	CIS	4.27	4.78
	MM	4.24	4.69
	FIN	4.22	4.78
	BIO	4.20	4.80
	GSCM	4.16	4.56
	DES	4.14	4.63
	EL	4.12	4.70
	CUL	4.00	4.11
	LPS	4.00	4.76
	Highest Possible	CIS	4.30
FIN		4.30	4.89
GSCM		4.30	4.89
HCS		4.30	5.02
OTHER		4.30	4.86

The highest possible GPA is calculated by taking 45 credits, the maximum number of credits available each year.

CLUBS & ACTIVITIES

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|--|----------------------------------|
| Art & Photography | Model United Nations |
| Chorus | Multicultural Club |
| Civic Engagement Club | National Dance Honor Society |
| DECA Peer Leadership | National Honor Society |
| Environmental Action Club | National Technical Honor Society |
| ERASE Club | Red Cross Club |
| Fitness Club | Robotics Club |
| Gender & Sexual Alliance | SkillsUSA |
| Health Occupations Students of America | STEM Club |
| Jazz Band | Student Ambassadors |
| Key Club | Student Government |
| Literacy Club | |

ATHLETICS

FALL

- Boys & Girls Cross Country
- Boys & Girls Soccer
- Girls Volleyball

WINTER

- Boys & Girls Basketball
- Coed Bowling

SPRING

- Baseball
- Boys & Girls Golf
- Softball