PCTI STEM ACADEMY

45 Reinhardt Road, Wayne, NJ 07470 | 973-790-6000 | stem.pctvs.org

CEEB CODE: 310089

Joseph W. Sabbath
Superintendant

Joaquim W. Johnson
Principal

OUR COMMUNITY

The Passaic County Technical Vocational High School District is a diverse career and technical education (CTE) high school community of two distinct high schools located on a scenic 55-acre campus in Wayne, New Jersey. As the largest high school district in the state, it serves over 4,800 students from the sixteen sending municipalities throughout Passaic County. In addition to rigorous academics and a comprehensive high school curriculum, our advanced CTE programs are designed to meet current industry trends and the needs of the global market. Each year, the district receives over 5,000 applications for the opportunity to enter the freshmen class of 1,200 students, who are selected through a highly competitive application and admissions process. The district has an active Education Foundation which provides student scholarships.

AP Subject	2026 STEM Academy (% Scored 3+)	2026 Global (% Scored 3+)
African American Studies	94.9	77
Biology	97	71
Calculus AB	78.9	65
Calculus BC	100	82
Chemistry	100	75
Computer Science A	46.9	66
Computer Science Principles	68.2	63
English Language and Composition	96.3	73
English Literature and Composition	93.6	75
Environmental Science	96.7	69
Physics C: Electricity and Magnetism	76.5	75
Physics C: Mechanics	66.7	72
Precalculus	100	82
Psychology	95.2	74
Research	100	90
Seminar	84.1	88
Spanish Language and Culture	93.8	83
Statistics	92.9	62
United States Government and Politics	98.1	76

SCHOOL COUNSELING DEPARTMENT

School Counseling Office
(973) 790-6000 ext. 4231

School Counselor Emails

OUR SCHOOL

The PCTI STEM Academy is a college preparatory school for grades 9-12 with over 1,000 students representing the diverse population of Passaic County, New Jersey. Its 92 expert faculty offer more than 50 courses focused on four STEM pathways: Biomedical and Life Sciences, Biotechtechnolgy, Computer Science, and Engineering. Ranked as the #1 school in Passaic County in 2025, the academy provides advanced placement, honors courses, and extensive academic electives. Students engage in hands-on learning in state-of-the-art labs and classrooms, and complete a senior research capstone, which may be showcased at the annual STEM Expo. As one of 2,000 AP Capstone schools nationwide, the academy emphasizes academic excellence. Students also participate in a variety of co-curricular activities, including service, business, arts, and competitive athletics.

PCTI STEM CLASS OF 2026	
GPA RANGE	% STUDENTS
4.50+	0.4
4.00-4.49	26.4
3.50-3.99	33.7
3.00-3.49	22.4
0-2.99	17.1

2026 BY THE NUMBERS

246 GRADUATING CLASS SIZE

93% % ATTENDING 4-YEAR COLLEGES

7% % ATTENDING 2-YEAR COLLEGES, WORKFORCE, OR SKILLED TRADES

21 AVERAGE CLASS SIZE

19 AP COURSES OFFERED

33 VARSITY SPORTS

206 AP SCHOLARS

4.1 AVERAGE AP SCORE

10 AP CAPSTONE DIPLOMAS

STANDARDIZED TEST SCORES

SAT TEST RESULTS	PCTI STEM	STATE OF NJ
READING AND WRITING	603	533
MATH	628	519

PSAT TEST RESULTS	PCTI STEM	STATE OF NJ
READING AND WRITING	570	470
MATH	593	455

COURSEWORK

ENGLISH
ENGLISH 1, 2, 3, 4
ENGLISH (H) 1, 2, 3, 4
AP ENGLISH LANGUAGE & COMPOSITION
AP LITERATURE & COMPOSITION
CREATIVE WRITING

MATHEMATICS
ALGEBRA 1, 2
ALGEBRA (H) 1, 2
GEOMETRY
GEOMETRY (H)
ALGEBRA 2/TRIG (H)
PRE-CALCULUS
AP PRE-CALCULUS
CALCULUS (H)
AP CALCULUS A/B
AP CALCULUS B/C
CALCULUS 3/MULTIVARIABLE (H)
AP STATISTICS
DISCRETE MATH
MATHEMATICAL MODELING 1

SCIENCE
ANATOMY & PHYSIOLOGY
BIOLOGY
BIOLOGY (H)
AP BIOLOGY
CHEMISTRY
CHEMISTRY (H)
PCCC CHEMISTRY
AP CHEMISTRY
ENVIRONMENTAL SCIENCE
AP ENVIRONMENTAL SCIENCE
PHYSICS
PHYSICS (H) 1, 2
AP PHYSICS C: MECHANICS
AP PHYSICS C: ELECTRICITY AND MAGNETISM
FORENSICS 2
SCIENCE ETHICS

SOCIAL STUDIES
U.S. HISTORY 1, 2
U.S. HISTORY (H) 1, 2
PCCC U.S. HISTORY 1
WORLD HISTORY
WORLD HISTORY (H)
AFRICAN AMERICAN STUDIES
AP AFRICAN AMERICAN STUDIES
AP GOVERNMENT
PSYCHOLOGY
AP PSYCHOLOGY
PCCC SOCIOLOGY
LATIN AMERICAN STUDIES
THE HOLOCAUST & GENOCIDE STUDIES

WORLD LANGUAGE
CHINESE 1, 2, 3, 4
SPANISH 1, 2
SPANISH COMP/CONV. A (H)
AP SPANISH LANGUAGE & CULTURE

PHYSICAL EDUCATION
HEALTH 1, 2/DRIVER ED, 3, 4
PHYS. ED 1, 2, 3, 4
ROTC 1, 2, 3, 4

CAREER AND TECHNICAL EDUCATION
BIOMED 1: PRINCIPLES OF BIOMEDICAL SCIENCE
BIOMED 2: HUMAN BODY SYSTEMS
BIOMED 3: MEDICAL INTERVENTIONS
BIOMED 4: BIOMEDICAL INNOVATIONS
BIOMEDICAL 4 - CAPSTONE
BIOTECHNOLOGY 1, 2, 3, 4
CS 1: COMPUTER SCIENCE ESSENTIALS
CS 2: COMPUTER SCIENCE PRINCIPLES AP
CS 3: AP COMPUTER SCIENCE A
COMP SCI 4: CYBERSECURITY
COMP SCI 4: INTRO TO 3D PROGRAM: AR/VR
COMP SCI 4: INTRO TO DATA SCI. & A.I
AR/VR CAPSTONE
CYBER CAPSTONE
DS & AI CAPSTONE
ENG 1: ENGINEERING ESSENTIALS
ENG 2: INTRO TO ENGINEERING DESIGN
ENG 3: PRINCIPLES OF ENGINEERING
ENG 4: CIVIL ENGINEERING & ARCHITECTURE
ENG 4: COMP. INTEGRATED MANUFACTURING
ENG 4: DIGITAL ELECTRONICS
CEA CAPSTONE
CIM CAPSTONE
DE CAPSTONE

ELECTIVES
AP RESEARCH
AP SEMINAR
FRESHMEN SEMINAR
INTRODUCTION TO CODING
INVENTIONS & INNOVATIONS
MULTIMEDIA/CAD
JOURNALISM
PUBLIC SPEAKING
FINANCIAL LITERACY

CLUB OFFERINGS

Astronomy Club
Book Club
Chess Club
Choir
Christian Student Association (CSA)
Color Guard
Concert Band
Consumer Bowl
Dance Ensemble
E-Sports
End Racism and Sexism Everywhere (ERASE)
Engineering Club
Environmental Science Club
Future Business Leaders of America (FBLA)
Future Educators Association (FEA)
Gifted & Talented Club
Health Occupations Students of America (HOSA)
Hindu Student Association (HSA)
International Thespian Society
Jazz Band
Leaders Emerging Among Peers (LEAP)
Lindsey Meyer Teen Institute (LMTI)
Marching Band
Mock Trial Competition Team
Muslim Student Association (MSA)
National Dance Honor Society
National History Club
National Honor Society
National Honor Society for Dance Arts
Performing Arts
PRIDE Club
ProStart Competition
Reserve Officer's Training Corps (ROTC)
Rho Kappa National Social Studies Honor Society
Sign Language Club
SkillsUSA
Speech and Debate Club
Student Council/Interact Club
Student Government 9, 10, 11, 12
Tri-M Music Honor Society
Upstanders Club
Video Production Club
World Language Honor Society
Yearbook

DUAL ENROLLMENT OPPORTUNITIES

PCTI STEM COURSE NAME	INSTITUTION
AP CALCULUS A/B	Passaic County Community College
AP CALCULUS B/C	Passaic County Community College
AP ENGLISH LANG/COMP	Passaic County Community College
AP ENVIRONMENTAL SCIENCE	Passaic County Community College
AP GOVERNMENT	Seton Hall University
AP LITERATURE/COMP	Passaic County Community College
AP PRE-CALCULUS	Passaic County Community College
AP PSYCHOLOGY	Passaic County Community College
AP SPANISH	Passaic County Community College
AP U.S. HISTORY	Seton Hall University
Biomed 1: PRINCIPLES OF BIOMEDICAL SCI.	Rochester Institute of Technology
Biomed 2: HUMAN BODY SYSTEMS	Rochester Institute of Technology
Biomed 3: MEDICAL INTERVENTIONS	Rochester Institute of Technology
Biomed 4: BIOMEDICAL INNOVATIONS	William Paterson University of New Jersey
BIOTECHNOLOGY 1	Passaic County Community College
BIOTECHNOLOGY 2	Passaic County Community College
BIOTECHNOLOGY 3	Passaic County Community College
CALCULUS (H)	Passaic County Community College
CHEMISTRY (H)	Seton Hall University
CS 1: COMPUTER SCIENCE ESSENTIALS	Passaic County Community College
CS 2: COMPUTER SCIENCE PRINCIPLES AP	Passaic County Community College
CS 3: AP COMPUTER SCIENCE A	Passaic County Community College
Eng 1: ENGINEERING ESSENTIALS	Rochester Institute of Technology
Eng 2: INTRO TO ENGINEERING DESIGN	Rochester Institute of Technology
Eng 3: PRINCIPLES OF ENGINEERING	Rochester Institute of Technology
Eng 4: CIVIL ENGINEERING & ARCHITECTURE	Rochester Institute of Technology
Eng 4: COMP. INTEGRATED MANUFACTURING	Rochester Institute of Technology
Eng 4: DIGITAL ELECTRONICS	Rochester Institute of Technology
ENGLISH 4 (H)	Seton Hall University
LATIN AMERICAN STUDIES	Seton Hall University
PCCC CHEMISTRY (TITLE CHANGE - H)	Passaic County Community College
PCCC SOCIOLOGY (TITLE CHANGE - H)	Passaic County Community College
PCCC U.S. HISTORY 1 (TITLE CHANGE - H)	Passaic County Community College
PHYSICS 1 (H)	Seton Hall University
PHYSICS 1 (H) DUAL ENROLLMENT	Seton Hall University
PHYSICS 2 (H)	Seton Hall University
SPANISH 2	Seton Hall University
SPANISH 3	Seton Hall University
SPANISH COMP/CONV (H)	Seton Hall University
THE HOLOCAUST AND GENOCIDE STUDIES	Kean University
US HISTORY 1 (H)	Seton Hall University
US HISTORY 2 (H)	Seton Hall University
PHYSICS 2 (H)	Seton Hall University
PHYSICS 2 (H)	Seton Hall University
SPANISH 2	Seton Hall University
SPANISH 3	Seton Hall University
SPANISH COMP/CONV (H)	Seton Hall University
THE HOLOCAUST AND GENOCIDE STUDIES	Kean University
US HISTORY 1 (H)	Seton Hall University
US HISTORY 2 (H)	Seton Hall University

CLASS OF 2026 COLLEGE MATRICULATION

Bergen Community College
Bloomfield College of Montclair State University
Boston College
Bryant University
Case Western Reserve University
The Catholic University of America
Clemson University
Cornell University*
Delaware Valley University
University of Delaware
Drew University
Drexel University
Embry-Riddle Aeronautical University
Fairleigh Dickinson University
Florida Atlantic University
Georgetown University*
Georgia Institute of Technology
Hampton University
Harvard College*
John Jay College of Criminal Justice
(City University of New York)
Johnson & Wales University–Providence
Kean University
Lafayette College
Lee University
Liberty University
Michigan State University
Montclair State University
Moravian University
New Jersey Institute of Technology
New York University*
New York University Abu Dhabi*
New York Institute of Technology
Pace University
The Pennsylvania State University (Penn State)
Passaic County Community College
Princeton University*
Ramapo College of New Jersey
Rowan University
Rutgers University–New Brunswick
Rutgers University–Newark
San Diego State University
Seton Hall University
St. Thomas Aquinas College
Stevens Institute of Technology
Stockton University
Texas A&M University
The College of New Jersey (TCNJ)
University of Central Florida
University of Chicago*
University of Connecticut
University of Hartford
University of Miami
University of New Haven
University of Pennsylvania*
University of Pittsburgh
University of Rhode Island
Villanova University
Vaughn College of Aeronautics and Technology
United States Military Academy (West Point)
West Chester University of Pennsylvania
William Paterson University
Worcester Polytechnic Institute

** Less than 10% acceptance rate.*



PCTI STEM ACADEMY

PASSAIC COUNTY TECHNICAL-VOCATIONAL SCHOOLS