

SciCore Academy for Science and the Humanities

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College Board School Code: 310481

Vision: SciCore Academy provides students with a challenging academic environment leading to advanced achievement in science, mathematics, communication, literature, foreign languages, and the arts. High expectations, small class size, individual attention, and a content-rich core curriculum are hallmarks of the SciCore experience. Students are imparted with the intellectual tools needed to analyze and better understand their world, to solve problems, to effectively communicate, and to become creative and productive citizens. SciCore maintains a traditional values environment and promotes a friendly, cooperative learning atmosphere among students and teachers. As a college preparatory school, SciCore provides the curriculum, counseling and academic support needed for students to pursue admission into selective and competitive colleges and universities.

History: Founded in 2003 as an independent, private high school, located in Hightstown, NJ. Expansion to include a middle school as of September 2004. Added Accelerated Learners Program for grades 1-4 in 2008. Separated high school and elementary school campuses in 2011.

Accreditation: SciCore Academy is fully accredited by the Middle States Association of Colleges and Schools, as of May 2006. SciCore is also certified by the Department of Homeland Security to issue I-20 forms for international student visas.

Staff: There are 24 persons on staff, including two administrators, 18 teachers, and 4 support staff members. Instructors are specialists in their teaching fields, either by relevant professional experience or state certification.

School Community: The student body is drawn from communities within a 12 mile radius of the school. Most families are middle-income and a high percentage of parents hold advanced degrees or advanced professional training. Students are admitted based on performance on an entrance exam in mathematics and English and a personal interview. Standardized test scores characterize the student achievement level as above-average to exceptional.

Values Environment: Students must pledge to an honor code and are expected to strive toward the values of mutual respect and cooperation, honesty, optimism, fairness, fortitude, self-discipline and altruism. SciCore Academy also seeks to foster an appreciation for the history, language and governmental structures of our republic and an understanding of classical concepts from the American Experiment such as political and economic liberty, popular sovereignty, and governance for the common good. Members of the school governing body are personally committed to the ethical principles found within the Judeo-Christian traditions. Each school day begins with the Pledge of Allegiance and a Moment of Silence.

Facilities: The high school of SciCore Academy holds classes in a modern office and laboratory facility in historic downtown Hightstown, NJ. Facilities include 8 classrooms, a computer room, laboratory, art room, gymnasium, Wi-Fi Internet connection, equipment and instrumentation for teaching chemistry, electronics, optics, physics, anatomy, and biotechnology, extensive supplies and equipment for visual arts, audio-

visual equipment, and computer-based learning modules for foreign languages, history and mathematics. The school library specializes in monographs and series in the areas of science, technology, visual arts, mathematics, and classic literature.

Grading System (matriculating 9/2016 or later) :

A+ = 98 - 100 %	B = 86 - 81	C - = 70 - 69	W= withdrawn
A = 97 - 91	B - = 80 - 79	D = 68 - 65	I = incomplete
A- = 90 - 89	C+ = 78 - 77	F = < 65 %	P = pass
B+ = 88 - 87	C = 76 - 71		

Calculation of Grade Point Average:

GPA = (\sum grade points * credits)/ \sum credits. Maximum GPA = 4.00. Courses are not weighted. Non-academic and Pass/Fail courses are not counted in computing GPA. A, A+ = 4.00 grade points, A- = 3.8, B+ = 3.2, B = 3.00, B- = 2.8, C+ = 2.2, C = 2.0, C- = 1.8, D = 1.0, F = 0. A year-long (two semester) academic course meeting 5 periods per week is assigned 8 credits.

High School Courses:

Science: Chemistry I with lab, Biology I with lab, Physics I with lab, Anatomy & Physiology, Optics & Electronics Lab, Chemistry II (and optional AP), Physics II (and optional AP), Biology II (and optional AP), Biotechnology Lab, Research Institute

Mathematics: Algebra 1, Geometry & Trigonometry part 1, Algebra 2 & Trigonometry part 2, Pre-Calculus/Advanced Math, Calculus I, Probability & Statistics, Calculus II, Linear algebra

Technology: Introduction to Technology (Internet Searching, Spreadsheets, Data-basing, Presentations, E-learning), JustBasic programming, Python I & II programming, Microcontrollers and Robotics, Engineering Design, Technology & Design.

English: American Literature, British Literature, World Literature, Great Books, Writing Seminar (4 levels)

Languages: French, German, Chinese, Spanish

History and Social Science: Civics, US History, Western Civilizations I, II, History of the 20th Century, History of Science, Economics, Philosophy of Science, Psychology

Humanities: Visual Arts, Drama, Public Speaking I & II, Morality & Ethics, Music Appreciation, Music Theory, Logic & Debate I & II, Shakespearean Scenes, Comedies, Oral Interpretation

General: Senior Seminar, Independent Study, SAT prep

Physical Education: Karate, Gym, Fencing, Dance, Golf

Graduation Requirements (Class of 2018): Minimum 180 credits and 8 semesters attendance (or the equivalent for transfer students). Semester-length courses are assigned a credit value of 4, 3, or 2, depending on contact time and academic importance. For example, Algebra 2 is assigned 4 credits per semester.

Out of 180 credits, students must take 172 credits distributed as follows:

- English - 32 credits (8 semesters)
- Mathematics - 32 credits (8 semesters)
- Science - 32 credits (8 semesters)
- Foreign Language - 32 credits (8 semesters)
- History and Social Science - 24 credits

Graduation Requirements (continued)

Humanities - 12 credits

Physical Education - 8 credits (4 semesters or equivalent)

Concurrent with these requirements, all students must take one year of physics, one semester of statistics, one semester of programming, one semester of Logic & Debate, and complete an intensive senior project in science, social science or the humanities. Students must also show evidence of reading 20 books in the SciCore Canon of Great Literature.

Extra-Curricular Activities:

Basketball	Debating	Volleyball
School Yearbook	Chess	Art Club
Cross-Country	Tutoring	Research Institute
Musical Ensemble		

College Acceptances:

Duke University	University of Chicago	Oberlin Conservatory
Pomona College	Emory U.	U Wisconsin-Madison
Tulane University	Cornell University	Embry-Riddle
Northwestern U.	New York University	Gettysburg
Boston College	Bryn Mawr	Baylor
Rutgers University-Pharmacy	UCLA	Drexel University
Stevens Institute of Techn.	Rensselaer Polytechnic	Washington & Lee
NY Institute of Technology	NYU-Poly	Syracuse Univ.
Virginia Polytechnic	University of Maryland	Boston University
Quinnipiac University	Penn State U.	Georgia Inst. of Techn.
George Mason University	DeSales University	Worcester Polytechnic
New England Institute of Art	Seton Hall University	Univ. of Conn.
Wake Forest	Cedarville University	St. John's Univ.
St. Peter's College	Kean University	Messiah College
University of Maine	Lehigh University	NJIT
Loyola University	Northeastern University	Ithaca College
Kutztown University	Houghton College	U. of Delaware
Rider University	Rowan University	U. of Hartford
Stonybrook University	Deans College	Lafayette College
Baruch College	UC Riverside	UC Davis
Fordham University	University of South Florida	Cabrini College
St. John's University	Clarkson University	Hobart & Smith
The College of NJ	Indiana University	U. Texas – Austin
Michigan State	Gustavus Adolphus College	Champlain College
Dickinson College	Franklin & Marshall	