



FCS Innovation Academy High School Profile 2024-2025

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ABOUT US

FCS Innovation Academy opened in 2021 as a Magnet STEM high school in Alpharetta, GA. **Our mission is to provide relevant experiences that foster authentic learning, so our students can succeed in a rapidly changing world. We utilize design thinking, project-based learning, research, and inquiry to provide the necessary skills and foster a passion for ongoing learning.** These skills and passion will allow students to address complex issues in a collaborative setting to solve real-world problems. Students are immersed in a rigorous and supportive environment that promotes the transdisciplinary connections between career pathways, STEM fields, and the humanities.

CAREER PATHWAYS AT IA

Areas of Study in Health Science	Areas of Study in Engineering	Areas of Study in IT
Biotechnology, Patient Care, Surgical Tech, Emergency Medical Responder, Allied Health	Engineering Technology	Computer Science, Game Design, Cybersecurity, Embedded Computing

CROSS-CURRICULUR INSTRUCTION

Our freshmen start by taking introductory classes in all three of our career pathways; thus, begins their introduction to cross-curricular problem solving. Students work on **real world challenges like delivering medical supplies to areas where first responders cannot reach.** Health Sciences experts determine what needs to be included in the first response kit. Engineers work on the specs needed for the box of supplies that are delivered via drone, and information technology specialists program the drones.

Students are taught Design Thinking (DT) as one of many tools in their problem-solving toolkit. Design Thinking is a method that uses a cyclical process to solve problems with the user in mind. DT uses a series of steps that create specific work in each phase. Although we are a STEM school, we pride ourselves on our humanities and emphasize the empathy and understanding components of Design Thinking as absolutely essential to the process.

RESEARCH – REQUIRED 11TH GRADE

With a school-wide focus on research, **every student takes a Scientific Research course their junior year** where they are encouraged to collaborate in teams to complete their **Pinnacle Project**.

Students can also pursue the **AP Capstone Diploma** which starts with 10th graders taking AP Seminar combined with 10th grade ELA requirements. AP Seminar is followed by Scientific Research in 11th, and AP Research in 12th. The AP Research course is exclusively independent research with no help allowed from the instructor. Students must score a 3 or above in at least four AP courses and at least a 3 in AP Research and AP Seminar to earn the AP Capstone designation.

UNIQUE COMMUNITY-FOCUSED-AND-SPONSORED EXPERIENCES

During Flex Fridays, **students participate in learning events supported by community partners.** For **Rocket Day** (sponsored by Lockheed Martin), students built and launched hundreds of rockets. On **Raspberry Pi Day** (sponsored by multiple community partners), students focused all day on personally designed software projects. The **Save-A-Life event** (sponsored by Northside Hospital) involved a schoolwide medical disaster response simulation. Students also go on field trips into the community to explore real world problems that a community member needs resolved. They follow up after these field trips by presenting a potential solution after implementing the Design Thinking process.

STATE OF GEORGIA DIPLOMA REQUIREMENTS

English	4
Mathematics	4
Science	4
Social Studies	3
Health & Personal Fitness	1
Fine Arts/ World Language	3
Electives	4

Total Credits: 23

ADDITIONAL FCS IA MAGNET REQUIREMENTS

As part of our magnet curriculum, FCS IA students also complete:

1. **The freshman year GT Block class**, which is a combination of all three introductory classes for our STEM pathway offerings.
2. **A career pathway in one of our three STEM areas.**
3. **A Pinnacle Project** as part of an 11th grade research class.
4. **Twelve Flex Friday credit hours** each year at IA.

GRADING SCALE

A = 90–100 ♦ B = 80–89 ♦ C = 70–79 ♦ F = 69 or lower

Transcripts with weighted grades (W) include seven quality points added to passing grades for all honors, AP, and college courses.

Accreditation: Cognition

CEEB Code: 110387 NCAA Number: 853204

AVERAGE STANDARDIZED TEST SCORES

	SAT	ACT	PSAT
FCS Innovation Academy*	1323	27.6	1195
Fulton County Schools	1085	22.8	957
Georgia	1054	21.3	900
Nation	1028	19.9	933

*All FCS IA scores are for the class of 2025.

AP EXAMS STATISTICS (SPRING 2024)

996 out of 1,402 students took 2,397 AP exams
 71% of students at IA took at least 1 AP course
 AP Score Pass Rate: 90%
 33% of test-takers scored 5 or higher
 68% scored 4 or higher
 90% scored 3 or higher

AP AND COLLEGE COURSES OFFERED

AP Biology	AP Physics C: Mechanics
AP Calculus AB	AP Physics C: Electricity
AP Calculus BC	AP Pre-Calculus
AP Chemistry	AP Psychology
AP Computer Science A	AP Research
AP Computer Science Principles	AP Seminar (With English Lit)
AP English Language and Composition	AP Statistics
AP English Lit and Composition	AP United States Government and Politics
AP Environmental Science	AP United States History
AP Human Geography	AP World History: Modern
AP Macro Economics	College Human
AP Micro Economics	Anatomy/Physiology
AP Physics 1	Georgia Tech Math
AP Physics 2	Georgia Tech Computer Science

SCHOOLWIDE ACCOLADES

AP Honor School 22-23: AP School of Distinction, AP STEM School, AP STEM Achievement School

Quiz Bowl: 2024 High School National Championships, 5th Place

HOSA: 53 students earned top 10 finishers in 23 events at the state level competition. Two students finished top 10 at the international competition.

eSports: 2024 National and State Champions in Splatoon 3, 2024 Elite Eight at State Championship in Rocket League

Technology Student Association (TSA): Earned Top 10 finalists in 9 events. Two students qualified for Nationals.

Fencing: 2024 Women's Georgia High School Fencing League (GHSFL) Team State Champion; 2024 Men's GHSFL Team Third Place Champion

IA Robotics Club: First Robotics Competition - Crescendo Imagery Award; Dalton Qualifier; 2024 Offseason SCRAP Robotics Competition Finalist

PSAT/National Merit: 29 National Merit Semi-Finalists in 2024-25; 19 National Merit Finalists in 2023-24; National African American Recognition Award (NAARA), 4 Students Awarded in 2022. National Hispanic Recognition Award (NHRA), 1 student awarded in 2022.

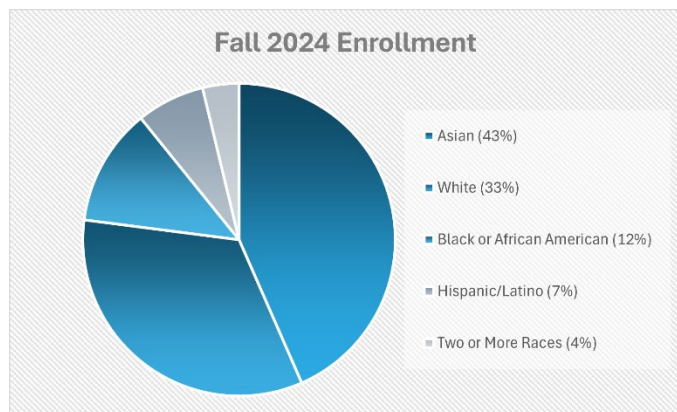
Global Seal of Biliteracy: 18 students awarded the Global Seal of Biliteracy in 2023-24

STUDENT BODY

FCS Innovation Academy is home to students in the North Fulton area, which includes the following high schools: Alpharetta HS, Cambridge HS, Centennial HS, Chattahoochee HS, Johns Creek HS, Milton HS, North Springs HS, Northview HS, Riverwood HS, and Roswell HS.

Schoolwide Enrollment: 1521

Class of 2025 Enrollment: 418



INTERNSHIPS & WORK-BASED LEARNING

Nearly 150 juniors & seniors are participating in work-based learning taking on jobs and internships like Advanced Technology Intern and Life Science Intern.

We placed more than 70 students with 60 different organizations in gifted internships.

CLUBS & STUDENT ORGANIZATIONS

We encourage our students to embrace their passions and creativity, develop their leadership skills, and find a way to take a break from their academic day. Students are invited to participate in their pathway club and honors societies and are limited to joining two additional IA clubs.

21st Century Leaders	French Honors Society	NeuroInsights
Access Life America	Gameshow	Physics Club
Active Minds	Gay Straight Alliance	Pickle Ball
Agricultural Science	Girls in STEM	Professional Networking
All Kinds of History Club	Ambassadors	Progressive Action Club
Around the Globe Podcast	Girls Who Code	Quiz Bowl
Art Club	Habitat for Humanity	Red Cross Club
Artificial Intelligence	Hack for Impact	Research Club
Astronomy	HealthView Films	Rocketry Club
AVTF	Hindu Student Association	Run IA
Baking and Cooking	Hispanic Culture Club	Sandwich Project
Biology Olympiad	IA Beacon	Science National Honor Society
Biomedical Engineering	IA Book Club	Science Olympiad
Black Student Union	IA Girls Basketball	Second Chance Animal
Chamber /Jazz	IA Kendo	Society of Black Engineers
Band/Chorus	IA K-Pop	Spanish Honor Society
Chemistry Olympiad	IA Medical Podcast	Spikeball
Chess Club	IA Poet's Society	STEAM Engines
Closing the Divide	IA Positivity Project	Student Council (All Grades)
Cricket	Interact Club	Student Enterprise
Crocheting for Change	International Research Olympiad	Student Volunteer Club
Cybersecurity	Investment Olympiad	SWENext
Dance Club	Jewelry - Crafting Change	Table tennis/Ping Pong
Digital Design	Key Club	Tech Alpharetta
Drama	Lego/Minecraft	The Crafty Collective
Drone Club	Literary	Ultimate Frisbee
Dungeons and Dragons	Math Team	UNICEF
Environmental Stewardship	Meals by Grace	United for Change
Fashion Club	Mehndi Club	Video Games
Feel 3D	Model UN	Volunteering Together
Fellowship of Christian Athletes	Mu Alpha Theta	Service
Fitness and Sports	Muslim Student Association	Weight Lifting
Activities	National Honors Society	Women In Medicine
Food4Lives		