

What is the Academy of Mathematics and Science ?

The Greater Hartford Academy of Mathematics and Science (GHAMAS) is an exciting program for students in grades nine through twelve. GHAMAS is focused on a mathematics and science theme and supports the student's home high school in educating students. GHAMAS is a four year program that is dedicated to helping each student to be college-ready and be prepared for career paths in the areas of Science, Technology, Engineering and Math.

Is the Academy of Mathematics and Science right for me?

Academy students are students who:

- Have a strong interest in mathematics and science
- Want to be highly challenged in rigorous honors level classes
- Take an active part in their learning and are willing to work hard
- Enjoy hands-on science experiments using state-of-the-art technology and equipment
- Have a strong math background to build upon
- Seek a supportive, small school setting
- Desire to be part of a diverse learning community

Advanced Math and Science Courses:

AP Biology
 AP Chemistry
 AP Physics C
 AP Statistics
 AP Calculus AB
 AP Calculus BC
 AP Computer Science
 River Ecology
 Environmental Science
 Meteorology
 Physical Astronomy
 Oceanography
 Linear Algebra
 Multivariable Calculus
 Differential Equations
 Human Evolution Biodiversity
 Evolutionary Biology
 Molecular Biology
 Anatomy & Physiology
 Thermodynamics
 Material Science
 Nuclear Science
 Photonics
 Forensic Science
 Leadership in Science, Engineering, and Medicine

GREATER HARTFORD ACADEMY OF MATHEMATICS AND SCIENCE

15 Vernon Street
 Hartford CT 06106
 Phone: 860-757-6300
 Fax: 860-757-6399
 GHAMAS-info@crec.org

Open House Dates

Wednesday, October 19th 2011, 6:30 to 8:00 p.m.

Monday, November 7th 2011, 6:30 to 8:00 p.m.

Saturday, December 3rd 2011, 10:00 to 11:30 a.m.

Tuesday, January 10th 2012, 6:30 to 8:00 p.m.

GREATER HARTFORD ACADEMY OF MATHEMATICS AND SCIENCE

Excellence in Education

Greater Hartford Academy of Mathematics and Science

A Half-Day Program
for Grades 9-12



How to Apply to the Academy

Applications are made through the
 Regional School Choice Office:
www.choiceeducation.org
 165 Capitol Avenue, Room 270,
 Hartford, CT 06106
 860-713-6990

MATH & SCIENCE HIGH SCHOOL PROGRAM

What does the Academy of Mathematics and Science offer that makes it unique?

- Focuses on skills and experiences in Science, Technology, Engineering and Math (STEM) fields
- Prepares students for college and career with 21st century skills like team work and problem solving
- Rigorous courses that help students become active learners
- Advanced Placement courses in math, science, English, and social studies
- Hands-on science curriculum where students do authentic science experiments
- Science labs rivaling many college undergraduate programs
- Unique & intensive math and science courses not found in most high schools
- State of the art learning technology in all classrooms
- A diverse student body from over 35 cities and towns in the Hartford region
- Small school with a highly dedicated staff and supportive student body
- Independent research options for interested and motivated students
- Comprehensive school to career programs including a distinguished speakers series and a career symposium
- Math team, computer programming teams, Robotics team, Biodiesel Project, and JETS teams
- Graduate acceptances at some of the nation's best colleges and universities

What does a typical day at the Academy look like?

GHAMAS ninth and tenth grades focuses on building the foundations for success in our advanced eleventh and twelfth grade program and beyond.

Ninth Grade	Tenth Grade
Morning 7:30 – 10:30 <ul style="list-style-type: none"> • Physics • Earth Science • Algebra 1/Geometry/Algebra 2 	Morning 7:30 – 10:30 <ul style="list-style-type: none"> • Biology • Chemistry • Geometry/Algebra 2/Pre-Calculus
Afternoon <ul style="list-style-type: none"> • Humanities classes at the student's home high school 	Afternoon <ul style="list-style-type: none"> • Humanities classes at the student's home high school

The eleventh and twelfth grade program is focused on specialized courses for all students based on student interests and strengths.

Eleventh Grade	Twelfth Grade
Morning Humanities classes at the student's home high school	Morning <ul style="list-style-type: none"> • Humanities classes at the student's home high school
Afternoon 12:30 – 4:00 <ul style="list-style-type: none"> • Math Electives • Science Electives 	Afternoon 12:30 – 4:00 <ul style="list-style-type: none"> • Math Electives • Science Electives

What is special about the half-day Program?

- Students still attend their home high school half-time
- Students graduate from their home district
- Students are eligible for sports at their home high school
- Students are eligible for other extra-curricular at their home high school