



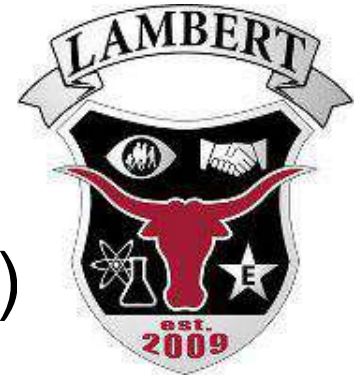
**MEDICAL
SCIENCE
ACADEMY**

The logo features a central caduceus (a staff with two snakes and wings) and an atom symbol to the left. The text 'MEDICAL' is in a bold, outlined font with a grey-to-white gradient. 'SCIENCE' is in a bold, outlined font with a red-to-white gradient. 'ACADEMY' is in a simple black outlined font.

LAMBERT HIGH SCHOOL

Joint Program - CTAE and Science Departments

Medical Science Academy



- The LHS Medical Science Academy (MSA) is dedicated to helping students make connections between rigorous core science courses and diagnostic/biomedical healthcare offerings to engage students in relevant and real-world studies.
- This unique program is immersed in the medical sciences providing students with advanced curriculum and exposure to the medical profession through community partnerships.

MSA Considerations



- Plan academic and extracurricular schedule to accommodate for the demands of the rigorous coursework, including Advanced Placement classes in math and science.
- Encouraged to participate in medical job shadowing and/or volunteering opportunities during summers.
- Complete all pathway, core science and math requirements to be considered a Medical Science Academy completer.
- Active participation in HOSA and/or iGEM is required.
 - Active participation means a minimum of 4 service hours each semester and taking part in .

HOSA



- HOSA is a national student organization endorsed by the U.S. Department of Education and the Health Science Education Division of ACTE.
- Provides students with opportunities to develop as a leader and a future health care employee.
- Operates as an integral component of the healthcare science pathway at Lambert High School.
- Recognized as one of the most successful chapters and largest chapter in the world with 530 members.
- Travel and compete at Fall/State and National Leadership Conference.
- Strong relationships with Forsyth county business partners.

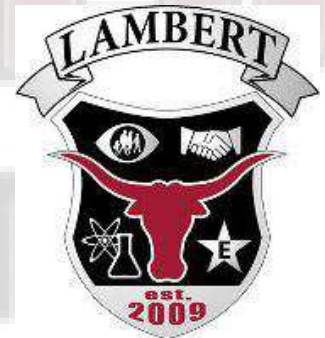
iGEM



- The International Genetically Engineered Machine (iGEM) Foundation - an independent, non-profit organization dedicated to synthetic biology education and competition.
- Provides students with opportunities:
 - Research in synthetic biology
 - Open source science
 - Collaboration with collegiate labs and professionals
- Operates as an integral component of the biotechnology education curriculum at Lambert High School.
 - Competitive team- selected in November of previous school year.
 - Travel and compete in Boston in International Jamboree.
 - Sponsored by Georgia Institute of Technology through a National Science Foundation Grant.

4th Year Options

- A 4th year applied program is **required** to graduate from the Medical Science Academy. Applied programs include:
 - Internship; Healthcare or Biotech related
 - Work-based Learning; Healthcare or Biotech related
 - AP Capstone- AP Research; Science Based
 - Independent Study: Science Based
- Each 4th year opportunity requires an application.
- * Acceptance is competitive.
- * Community internships are not guaranteed to MSA students.



Minimum Requirements for Graduation from the Academy

Course Requirements for Academy Completers	Healthcare Sciences	Core Sciences	Mathematics
	<ol style="list-style-type: none"> 1. Introduction to Healthcare 2. Essentials of Healthcare <u>or</u> Essentials of Biotechnology 3. Diagnostic Phlebotomy <u>or</u> Applications of Biotechnology 4. Internship <u>or</u> Work-based Learning <u>or</u> Gifted Independent Study <u>or</u> Honors Mentorship 	<ol style="list-style-type: none"> 1. Honors Biology 2. Honors Chemistry 3. AP Biology <u>or</u> AP Chemistry 4. Biology II (Human Anatomy & Physiology with Dissection Component) 5. Any Level of Physics (On-Level or AP) 	<p>3 Accelerated Courses and 1 AP Course</p> <p>Example: Accelerated Algebra Accelerated Geometry Accelerated Pre-Calculus AP Calculus <u>or</u> AP Statistics</p>

Program Requirements



- Students are expected to work with their teachers and counselors to meet all other non-academy graduation requirements determined by the State of Georgia.
- Students have choice in the rigor level for English/social studies/world languages.
 - Spanish and/or Latin are highly recommended for academy completers.
- Students are expected to adhere to the Medical Science Academy course requirements set forth.
- Failure to comply with MSA course requirements will result in dismissal from the academy.
- Minimum GPA Requirements – 3.7
- Participation in weekly mandatory professional attire.

APPLICATION DEADLINE:

March April 10, 2018 by 8:25am
To Room 2309- Mrs. Standeven

CANDIDATE SELECTION:

April 10-27, 2018

2018-19 MSA COHORT

ANNOUNCEMENT:

April 27, 2018 at 3:40pm

2200 Hall: Science Bulletin Board

2300 Hall: Healthcare Bulletin Board