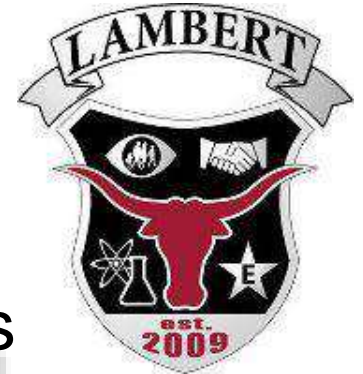




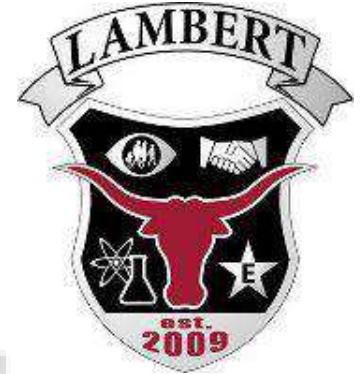
LAMBERT HIGH SCHOOL

What is MSA



- 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/Medical Science Academy with Distinction completer.
- Participation in HOSA and/or Biotechnology Club/iGEM is required.

HOSA



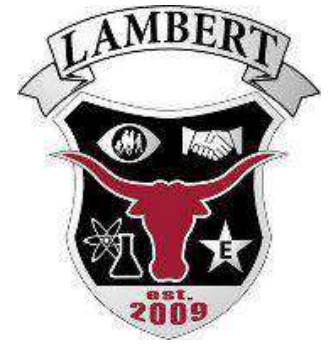
- HOSA is a national student organization endorsed by the U.S. Department of Education and the Health Science Education Division of ACTE.
- Provides students with opportunities to develop as a leader and a future health care employee.
- Operates as an integral component of the health science education curriculum.
- HOSA Competitive Events Program provides members competition opportunities to compete in over 55 different events related to all aspects of the health care industry.
- Integrates into the Health Science Technology Education curriculum.

iGEM



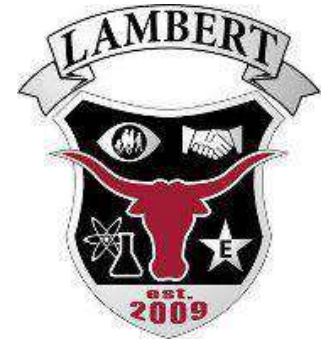
- The International Genetically Engineered Machine (iGEM) Foundation - an independent, non-profit organization dedicated to synthetic biology education and competition.
- Provides students with opportunities
 - research in synthetic biology
 - open source science
 - collaboration with collegiate labs 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

Course Requirements



- Students enrolled in the LHS Medical Science Academy, should carefully plan their academic and extracurricular schedule to accommodate the demands of the rigorous coursework.
- The Healthcare/Biotechnology internship is **required** to graduate from the Medical Science Academy or Medical Science Academy with Distinction.
- Scheduling will be handled on an individual basis and will be tailored to each student's individual science and mathematics needs.

Course 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 do so will result in termination from the academy.

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 Healthcare2. Essentials of Healthcare <u>or</u> Essentials of Biotechnology3. Diagnostic Phlebotomy <u>or</u> Applications of Biotechnology4. Internship	<ol style="list-style-type: none">1. Honors Biology2. Honors Chemistry3. AP Biology <u>or</u> AP Chemistry4. 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>

Minimum Requirements for Graduation from the Academy with Distinction

Course Requirements for Academy Completers with Distinction	Healthcare Sciences	Core Sciences	Mathematics
	<ol style="list-style-type: none">1. Introduction to Healthcare2. Essentials of Healthcare <u>or</u> Essentials of Biotechnology3. Diagnostic Phlebotomy <u>or</u> Applications of Biotechnology4. Internship	<ol style="list-style-type: none">1. Honors Biology2. Honors Chemistry3. AP Biology4. AP Chemistry5. Any Level of AP Physics6. Human Anatomy & Physiology (Biology II)	<p>All Accelerated/AP Courses (5 Credit Minimum – Middle School Credit Counts) Example:</p> <ol style="list-style-type: none">1. Accelerated Algebra2. Accelerated Geometry3. Accelerated Pre-Calculus4. AP Calculus5. AP Statistics or Georgia Tech Calculus

APPLICATION DEADLINE:

March 4, 2016 by 4pm

CANDIDATE SELECTION:

March 7-17, 2016

2016-17 MSA COHORT

ANNOUNCEMENT:

March 18, 2016 at 3:40pm - 2200

Hall: Science Bulletin Board