



SAINT LOUIS MEDICAL AND BIOSCIENCE MAGNET HIGH SCHOOL (OPENING IN AUGUST 2013)



450 Des Peres
Saint Louis, MO

August 23, 2012



SAINT LOUIS MEDICAL & BIOSCIENCE MAGNET HIGH SCHOOL

PURPOSES:

- TO PROVIDE A COMPREHENSIVE AND CHALLENGING PRE-COLLEGE ACADEMIC AND MEDICALLY-ORIENTED EDUCATIONAL PROGRAM THAT DOES NOT DUPLICATE THE HEALTH CARE PROGRAMS AT MILLER CAREER ACADEMY, GATEWAY STEM AND BEAUMONT TECHNICAL HIGH SCHOOLS**
- TO MOTIVATE AND ENABLE STUDENTS TO PURSUE POSTSECONDARY MEDICAL AND BIOSCIENCE RESEARCH CAREERS**
- TO PROVIDE, WITH OUR LOCAL MEDICAL PARTNERS, CLINICAL LEARNING EXPERIENCES AND MEDICAL AND BIOSCIENCE RESEARCH OPPORTUNITIES**
- TO CREATE AN EFFECTIVE, LOCAL PIPELINE OF STUDENTS PREPARED FOR CAREERS IN MEDICINE AND BIOMEDICAL RESEARCH IN THE SAINT LOUIS REGION**



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RATIONALE:

- **HEALTH CARE IS, CONSISTENTLY, ONE OF THE FASTEST GROWING INDUSTRIES IN THE NATION.**
- **BETWEEN 2012-2018, THE HEALTH CARE SECTOR IN MISSOURI IS EXPECTED TO GROW BY 16.63%.**
- **THE MO DEPARTMENT OF ECONOMIC DEVELOPMENT LISTS MEDICAL AND HEALTH-RELATED AREAS IN THE TOP 5 OF THE 50 FASTEST GROWING OCCUPATIONS.**
- **MEDICAL AND BIOMEDICAL RESEARCH ARE VERY STRONG IN THE SAINT LOUIS REGION WITH GENERAL PRACTICE AND TEACHING/RESEARCH HOSPITALS THAT ANNUALLY RANK VERY HIGH ON THE LIST OF “AMERICA’S BEST HOSPITALS” AND OTHER PUBLICATIONS.**



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POTENTIAL PARTNERS:

- BJC HEALTHCARE**
- BARNES JEWISH HOSPITAL**
- WASHINGTON UNIVERSITY SCHOOL OF MEDICINE**
- SAINT LOUIS UNIVERSITY HOSPITAL**
- SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE**
- SAINT LOUIS COLLEGE OF PHARMACY**
- COLLEGE OF OPTOMETRY, UNIVERSITY OF MISSOURI-ST. LOUIS**
- SAINT LOUIS COMMUNITY COLLEGE**
- BioSTL, ADVANCING St. Louis BIOSCIENCE**
- CORTEX, IN THE St. Louis BIOSCIENCE DISTRICT**
- SAINT LOUIS AGENCY ON TRAINING AND EMPLOYMENT (SLATE)**



SAMPLE FOUR YEAR COURSE SEQUENCE (SAMPLE FROM DEBAKEY HIGH SCHOOL FOR THE HEALTH PROFESSIONS)

9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
ENGLISH I	ENGLISH II	ENGLISH III	ENGLISH IV
WORLD GEOGRAPHY	WORLD HISTORY	U.S. HISTORY	MACRO ECONOMICS U.S. GOVERNMENT
ALGEBRA I AND GEOMETRY	ALGEBRA II	PRE-CALCULUS	AP CALCULUS
BIOLOGY AND INTEGRATED PHYSICS AND CHEMISTRY	CHEMISTRY	PHYSICS	AP BIOLOGY, CHEMISTRY, OR PHYSICS
ACT PREPARATION (1 SEM) AND STUDY SKILLS (1 SEM)	FOREIGN LANGUAGE (FRENCH OR SPANISH)	FOREIGN LANGUAGE (FRENCH OR SPANISH)	FINE ARTS: ARTS OR THEATER ARTS
PHYSICAL EDUCATION	PERSONAL FINANCE	MOLECULAR BIOLOGY OR STATISTICAL ANALYSIS	SCIENTIFIC RESEARCH AND DESIGN
PRINCIPLES OF HEALTH SCIENCE	HEALTH SCIENCE I. INTEGRATED WITH ANATOMY & PHYSIOLOGY AND MEDICAL TERMINOLOGY	PRACTICUM IN HEALTH SCIENCE I	PRACTICUM IN HEALTH SCIENCE II



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REQUIRED CURRICULA:

- **MATH AND SCIENCE SUMMER ACADEMY FOR ALL STUDENTS ENTERING GRADE 9;**
- **FIVE (5) CREDITS OF MATHEMATICS, INCLUDING AP CALCULUS;**
- **FIVE (5) CREDITS OF SCIENCE, INCLUDING AP BIOLOGY, AP CHEMISTRY OR AP PHYSICS;**
- **ONE (1) SEMESTER OF STUDY SKILLS AND ONE (1) SEMESTER OF ACT PREPARATION;**
- **TWO-THREE (2-3) YEARS OF THE SAME FOREIGN LANGUAGE;**
- **FOUR (4) YEARS OF HEALTH SCIENCE TECHNOLOGY (INCLUDING A 2-PERIOD BLOCK IN 11TH AND 12TH GRADE) ; AND,**
- **A MINIMUM OF 100 HOURS OF COMMUNITY SERVICE.**



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ENROLLMENT:

- 75-100 GRADE 9 STUDENTS ACCEPTED FOR THE 2013-2014 SCHOOL YEAR**
- TOTAL 9-12 ENROLLMENT WILL BE 350-400 STUDENTS**

ENTRANCE REQUIREMENTS:

- FINAL 7TH GRADE REPORT CARD**
- TEST RECORD (MAP)**
- EXCELLENT ATTENDANCE RECORD (DOCUMENTED)**
- TWO LETTERS OF RECOMMENDATION (CURRENT TEACHER, COUNSELOR, PRINCIPAL)**
- ADMISSION EXAM AND ENTRANCE ESSAY**
- IF ACCEPTED, ATTEND THE SAINT LOUIS MEDICAL AND BIOSCIENCE MAGNET HIGH SCHOOL SUMMER ACADEMY**

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QUESTIONS?

