

Pre-Professional Programs

BIOMEDICAL ENGINEERING

“This college-level program is designed to cultivate leaders interested in improving human well-being and pursuing a career in healthcare/pharmaceuticals while nurturing the integration of science, engineering, and medicine.”

Instructor Testimonial —Samine Jernigan, Biomedical Engineer



About the Program

American Heritage Schools Pre-Professional Biomedical Engineering Program is a 4-year program beginning in 9th grade and culminating in 12th grade with an internship. In order to fulfill the requirements of the program, students must complete all the courses in the curriculum, a total of 8.5 credits. Students are required to maintain a B average in these courses, and must attend the Pre-Med Club and Pre-Engineering Club meetings. Students must also participate in the robotics team for at least one year. All of the Pre-Professional Programs are taught daily by medical doctors, attorneys, judges, engineers, computer scientists, business leaders, and entrepreneurs.



Top Instructors

The program is taught daily by adjunct or full-time teachers who are practicing physicians, neurologists, biomedical engineers, engineers, etc. The program is taught at the college level using college level textbooks and curriculum.



Unique Curriculum

- Honors Medical Terminology
- Honors Embryology
- Honors Biology
- Honors Chemistry
- Honors Anatomy & Physiology
- AP Biology
- Honors Physics or AP Physics
- Honors Intro to Engineering Design
- Honors Biomedical Engineering

All Taught Utilizing College Level Textbooks



Internships

The program culminates in a senior year internship where students experience the practice of biomedical engineering in real life. Seniors have weekly rotations in businesses that specialize in robotic surgery, bioengineering firms that make artificial hearts and pacemakers, engineering firms that produce biomedical instruments, and medical practices of different specialties. The connections our seniors make with practicing doctors and engineers are invaluable and often result in industry connections and future jobs.



Competitions & Community Service

- Future Health Professionals State Leadership Competition- HOSA
- Broward Health holiday party for pediatric cancer patients
- 5K For A Better Day to benefit Broward Health



AMERICAN HERITAGE SCHOOLS

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