Academy for Medical Science Technology

For the student interested in a career in medicine and healthcare
Career Goals

Graduates from AMST:

- Dentists
- Biomedical engineers
- Medical research scientists
- Nurses
- Pharmacists
- Physical therapists
- Physicians (MD or DO)
- Physician’s assistants
- Psychologists
- Speech therapists
- Veterinarians
9th Grade

Core Courses

English, History, Mathematics, Physical Education, and World Language

Science Courses

Biology, Chemistry

Medical Science Seminar

Epidemiology, Pharmacology, Experimental Science
10th Grade

SCIENCE COURSES
BIOTECHNOLOGY LAB
CHEMISTRY
PHYSICS

MEDICAL SCIENCE ROTATION II
BIOETHICS
NEUROSCIENCE
ZOOLOGY

CORE COURSES
ENGLISH, HISTORY,
MATHEMATICS, PHYSICAL
EDUCATION, and WORLD
LANGUAGE
11th Grade

SCIENCE COURSE

ANATOMY AND PHYSIOLOGY

CORE COURSES

ENGLISH, HISTORY,
MATHEMATICS, PHYSICAL EDUCATION, and
WORLD LANGUAGE

Advanced Placement (AP) and
International Baccalaureate (IB) courses
are available in Art, Calculus,
Economics, English, History, Music,
Statistics and World Languages.
12th Grade

Seniors have no specific “required” courses in science and are able to design their schedules to address their areas of individual interest.

OPTIONS: AP and / or IB Science Courses: Bio, Chem, Physics  IB Environmental Science

During 12th grade, all BCA students spend every Wednesday off campus at their SENIOR INTERNSHIP
Biomedical Electives

- Animal Surgery
- Agriscience
- Developmental Biology
- Forensic Science
- Introduction to Microscopy
- Medical Microbiology
- Microscopy
- Nanotechnology
- Organic Chemistry
- Oncology & Hematology
- Psychology
- Research Methods
- Sports Medicine

6 Research Programs
Students begin research in late 9th grade and continue through 12th grade

- AP Chemistry (11th or 12th)
- IB Environmental Systems (11th or 12th)
- AP Biology (12th)
- AP Psychology (12th)
Wednesdays are special at BCA

AMST students, grade 11 or 12, come together with doctors from surrounding hospitals who provide guidance regarding a career path in medicine.

HOSA is a national student organization that promotes career opportunities in the healthcare industry and promotes the delivery of quality healthcare to all people.
Since AMST has existed for over 20 years, many of our alumni have completed graduate school and are now practicing professionals. They continue to return and advise current students about their career options. Their advice also helps us to revise our curriculum to enable our graduates to succeed.