

## THE WARREN ALPERT MEDICAL SCHOOL OF BROWN UNIVERSITY

### **Educational Requirements for Tougaloo College Early Identification Program Students**

The following minimum coursework ensures competence in the sciences basic to medicine and sufficient to provide adequate preparation for medical school. Applicants are expected to demonstrate competency by successfully completing courses in the following areas of study:

- **Quantitative Reasoning**: one course in calculus or statistics (biostatistics preferred)
- **Biology**: at least two courses with a grade of B or higher, covering cell biology and genetics (additional work in upper level biology and laboratory experience is highly recommended)
- **Chemistry**: two courses in general (inorganic) chemistry, one course in organic chemistry, and one course in biochemistry
- **Physics**: a two-course sequence covering mechanics, heat, electricity, optics, and radiation physics
- **Writing**: while there is no specific course requirement, strong writing skills are expected. Courses that involve substantial expository writing in the humanities or social sciences are recommended to enhance writing skills.

With the exception of biology, where two courses must be taken in college, Advanced Placement (AP) or International Baccalaureate (IB) courses that were accepted for course credit at your degree-granting institution will be accepted as fulfilling the requirements listed above if properly noted on your undergraduate transcript and listed on the AMCAS application. Those who have AP credit for introductory biology can choose among other biology courses.

#### **Educational Requirements during semester in residence at Brown University:**

Tougaloo EIP students must be enrolled full-time (at least four courses) during their semester at Brown. At least one of the courses should be a biology course, taken for a grade (not pass/fail) chosen from the list below. Students are expected to attain a grade of B or higher for the biology coursework. The other courses are the student's choice.

BIOL 0200: The Foundation of Living Systems  
BIOL 0280 Introductory Biochemistry  
BIOL 0470 Genetics  
BIOL 0500 Cell and Molecular Biology  
BIOL 0510 Introductory Microbiology  
BIOL 5300 Principles of Immunology  
BIOL 0800 Principles of Physiology  
BIOL 1800 Comparative Biology of the Vertebrates

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