

PRE-MEDICINE*(Also, Pre-Osteopathy, Pre-Optometry, Pre-Biomedical, Pre-Chiropractor, and Pre-Podiatry)***JCJC CURRICULUM SHEET**

Medical schools have similar minimal requirements for admission which include course work in English, physics, mathematics, biology and chemistry. Medical schools rely heavily on the scores from the Medical College Admission Test (MCAT). The MCAT is generally taken in the spring of the college junior year. The formal medical school application should be completed by the following summer.

Students should note that baccalaureate degree is almost always needed before entering medical school. Exceptional students that meet the minimum medical school core admission requirements may be accepted with as few as 90 hours.

Premedical students do not obtain a college degree in “premed,” but work toward an undergraduate degree in an area of their choice. Suggested areas of study have strong emphasizes in the lab sciences to prepare for taking the MCAT. Suggestions include biochemistry, pharmacy, physics, chemistry, biology, medical technology, or nursing. Once an undergraduate degree area has been chosen, students must go by that area’s curriculum sheet and take special precaution to take the premedical core courses listed below. Students are encouraged to take at least one math and two lab science courses each semester.

PREMEDICAL CORE**One Year of Biology**

USM 1 - BIO 1134 Biology I	4
BIO 1144 Biology II	4
or	
UM 2 - BIO 2414 Zoology I	4
BIO 2424 Zoology II	4

Two Years of Chemistry

CHE 1214 General Chemistry I	4
CHE 1224 General Chemistry II	4
CHE 2424 Organic Chemistry I	4
CHE 2434 Organic Chemistry II	4

Mathematics

MAT 1313 College Algebra	3
MAT 1323 Trigonometry	3
or MAT 1815 Calculus I	5

One Year of English

ENG 1113 English Comp. I	3
ENG 1223 English Comp. II	3

One Year of Physics

PHY 2414 Physics I	4
PHY 2424 Physics II	4

Advanced Science - These courses must be taken at a senior college. Examples of advanced science courses that are relevant to medical school are biochemistry, comparative anatomy, embryology, genetics, histology, quantitative analysis, physical chemistry, calculus II, III, or IV, differential equations and advanced physics.

Approved Elective Courses - A partial list of recommended elective courses includes advanced English, sociology, psychology, philosophy, history, geography, foreign language, computer science, fine arts (up to six semester hours) and selected advanced courses in mathematics, chemistry, physics and biology. The applicant is urged to take an advanced course in English composition.

Unacceptable Courses - None of the 90 semester hours of minimum collegiate requirements listed or described or recommended above may be met by the following: correspondence courses; courses in physical training, military science, or dogmatic religion; courses in mathematics or science designed for non-science majors; or course credit granted without college-level testing. A limited number of telecourse credits may be accepted for liberal arts electives; however, none will be accepted for requisite courses.

Credit Transferred from a Community College - Sixty-five semester hours of credit from an accredited community college is the maximum that may be applied toward medical school admission.

Each pre-professional student is encouraged to obtain a catalog from the institution that he/she plans to attend to ascertain exactly what are the requirements for that institution. Catalogs are available from the JCJC Guidance Center or college/university websites.

Notes:

- 1. Applies if transferring to USM (University of Southern Mississippi)*
- 2. Applies if transferring to UM (University of Mississippi)*