

UAMS Medical School Pre-requisite Work Sheet

Student: _____

T# _____

*Pre-requisite to take this class

Biology (3 semesters total including Genetics)

Example Classes:

_____ BIOL 1401 Science of Biology or BIOL1402 Biological Concepts I

_____ BIOL 2401 Microbiology (and lab) (suggested)

_____ BIOL 3300 Genetics (*BIOL 1400/1401/1402, *BIOL 2401, + 4 ssch; *CHEM 4 ssch)

_____ BIOL 3101 Genetics Lab

_____ BIOL 4401 (Cell Biology) or BIOL 4417 (Molecular Biology)

Note and other suggested courses: Please check prerequisites for BIOL 4401 or BIOL 4417. Developmental Biology, Immunology, Neurobiology are a few suggested courses.

Chemistry (3 Semesters total including Organic Chemistry and Biochemistry)

Example Classes:

_____ CHEM 1402 Gen. Chem I (*MATH 1302; *placement test OR CHEM 1300)

_____ CHEM 1403 Gen. Chem II (*CHEM 1402)

_____ CHEM 3350 Organic Chem I Class (*CHEM 1403)

_____ *CHEM 3150 Organic Chem I Lab (Required for CHEM 3151)

_____ CHEM 3351 Organic Chem II Class (*CHEM 3350)

_____ CHEM 3151 Organic Chem II Lab (*CHEM 3150)

_____ CHEM 4320 Biochemistry (*CHEM 3151 & CHEM 3351)

Note and other suggested courses: UAMS does not require labs for organic chemistry or biochemistry, but they may be required for your degree and they are recommended. UA Little Rock requires Organic Chemistry 1 lab in order to take Organic 2/lab. Organic Chemistry 1 and 2 and their respective labs are prerequisites for Biochemistry (CHEM 4320). Please check with your advisor!

Physics (2 semesters total)

_____ PHYS 1321 College Physics I (*MATH 1302 or MATH 1401)

_____ PHYS 1121 College Physics I Lab (suggested)

_____ PHYS 1322 College Physics II (*PHYS 1321)

_____ PHYS 1122 College II Lab (suggested)

Note and other suggested courses: If you are getting a B.S. in Chemistry or majoring in some Engineering, you may need to take Physics for Scientists and Engineers 1 and 2 (labs may be required for degree). UAMS also accepts these calculus based Physics courses.

Statistics (1 semester total)

_____ STAT 2350 Intro to Statistical Methods or PSYC 3335 Statistics and Methods I (*MATH 1302/1321)

Note and other suggested courses: UAMS accepts any introductory statistics courses. (Please contact your advisor for details.)

English (2 semesters total)

_____ ENGL 2335 Intro Literature

_____ RHET 1311 Composition 1

_____ ENGL 2337 World Literature or ENGL 2339 Mythology

Note and other suggested courses: UAMS accepts AP credit for English as long as it appears on your undergrad transcript. UAMS can also take any ENGL course; Poetry, Creative writing, etc. (Please contact your advisor for details).

Social Sciences (2 semesters total, suggested courses)

_____ PSYC 2300 Psychology and the Human Experience

_____ SOCI 2300 Introduction to Sociology

_____ PHIL 2320 Ethics and Society

Note and other suggested Courses: Anthropology, Psychology, Sociology, Ethics, Logic Philosophy, Religion or Theology courses. Please note that taking an upper-division psychology course such as Abnormal Psychology (**PSYC 3360**) can be beneficial for your MCAT.

BEHAVIORAL SCIENCE: Facility in understanding written and spoken English is fundamental to precise communication. This is valuable to the student not only in classroom activities but also in dealing with individuals such as patients and colleagues. Courses in Composition and other communication skills, including speech, are preferred. A background in foreign languages is helpful to the prospective physician who will encounter an ethnically and culturally diverse population. Studies in World Literature and World History are desirable to enhance the student's understanding and appreciation of human heritage, societal forms, values past and present, and the intrinsic merits of scholarship and lifelong learning. A course in Logic will be advantageous in understanding the approach to sound reasoning and systematic thought in the solution of problems.

Note: UAMS accepts online courses to meet prematriculation requirements, provided the course is accepted and given credit/letter grade on the applicant's academic transcript from an accredited university.

MCAT score or dates _____

Volunteering _____

**Clinical
employment/experiences** _____

Shadowing _____

Research _____

When do you intend to apply to medical school? _____

Where do you intend to apply? _____

Any other experiences you want to include _____