THE UNIVERSITY of NEW ORLEANS

College of Sciences 1100 Science Building (504) 280-6303 sciences@uno.edu

Pre-Medical Advising

Listed below are required and recommended courses for admission to the two LSU Schools of Medicine (New Orleans and Shreveport) and the Tulane University School of Medicine. Requirements for out-of-state medical schools can be obtained at the American Association of Medical College (AAMC) website http://www.aamc.org/.

Admission to medical school is competitive. Applicants must have a baccalaureate degree. Most students choose to earn their degree in Biological Sciences or Chemistry. Students may earn a baccalaureate degree in any field as long as the degree allows for a sufficient amount of free electives so that all of the required medical school courses can be taken.

Some United States medical schools do not accept required courses that have been taken online.

***Students should refer to the UNO course catalog at https://www.uno.edu/course-catalog for the most up-to-date information on UNO courses and pre-requisites.**

General Chemistry (for science majors)	**Required – 8 hours** ___ CHEM 1017 (3 hours) – General Chemistry I: C or better in MATH 1125 ___ CHEM 1007 (1 hour) – General Chemistry I Lab: Eligible for MATH 1125 ___ CHEM 1018 (3 hours) – General Chemistry II: C or better in CHEM 1017 ___ CHEM 1008 (1 hour) – General Chemistry II Lab: C or better in CHEM 1017 & 1007
Organic Chemistry (for science majors)	**Required – 8 hours** ___ CHEM 2217 (3 hours) – Organic Chemistry I: C or better in CHEM 1018 ___ CHEM 2017 (1 hour) – Organic Synthesis Lab I: C or better in CHEM 1018 & 1008 ___ CHEM 3218 (3 hours) – Organic Chemistry II: C or better in CHEM 2217 ___ CHEM 3018 (1 hour) – Organic Chemistry Lab II: C or better in CHEM 2017 & 2217
General Biology (for science majors)	**Required – 8 hours** ___ BIOS 1083 (3 hours) – General Biology I: Eligible for MATH 1125 & ENGL 1157 ___ BIOS 1081 (1 hour) – General Biology I Lab: Eligible for MATH 1125 & ENGL 1157 ___ BIOS 1073 (3 hours) – General Biology II: Eligible for MATH 1125 & ENGL 1157 ___ BIOS 1071 (1 hour) – General Biology II Lab: Eligible for MATH 1125 & ENGL 1157
Physics (for science majors)	**Required – 8 hours** ___ PHYS 1031 (3 hours) – General Physics I: Credit in MATH 1116, 1126, 2107 or 2111 ___PHYS 1033 (1 hour) – General Physics I Lab: Credit or registration in PHYS 1031 ___ PHYS 1032 (3 hours) – General Physics II: C or better in PHYS 1031 ___ PHYS 1034 (1 hour) – General Physics II Lab: Credit or registration in PHYS 1032 **OR** ___ PHYS 1061 (3 hours) – Physics for Science & Engineering I: Credit or concurrent enrollment in MATH 2111, 2107, or 2114 ___ PHYS 1063 (1 hour) – Physics Lab for Science & Engineering I: Credit or registration in PHYS 1061 ___ PHYS 1062 (3 hours) – Physics for Science & Engineering II: C or better in PHYS 1061, credit or concurrent enrollment in MATH 2108, 2112, or 2124, & credit or concurrent enrollment in PHYS 1065 ___ PHYS 1065 (1 hour) – Physics Lab for Science & Engineering II: Credit or registration in PHYS 1062
Additional Prerequisites	**Required – 4 hours** ___ BIOS 2114 (4 hours) – Cell & Molecular Biology: C or better in BIOS 2114 must be earned in order to take BIOS 4103

Biochemistry (for science majors)	**Required – 3 hours** ___ BIOS 4103 (3 hours) – Biochemistry I: C or better in BIOS 2114 & CHEM 2217
Statistics	**Required – 3 hours** ___ MATH 2314 (3 hours) – Elementary Statistical Methods: Credit in MATH 1115 or higher or 6 hours of college level mathematics
English	**Required – 6 hours** ___ ENGL 1157 (3 hours) – English Composition I: Minimum ACT English score of 18 ___ ENGL 1158 (3 hours) – English Composition II: Credit in ENGL 1157
Strongly Recommended Courses	___ BIOS 2014 (4 hours) – Population Genetics, Evolution, & Ecology ___ BIOS 2114 (4 hours) – Cell & Molecular Biology ___ BIOS 2743 (3 hours) – Microbiology & Human Disease ___ BIOS 3453 (3 hours) – Genetics ___ BIOS 3354 (4 hours) – Vertebrate Physiology ___ BIOS 3284 (4 hours) – Histology & Cytology ___ BIOS 4113 (3 hours) – Biochemistry II ___ BIOS 4153 (3 hours) – Molecular Biology ___ BIOS 4413 (3 hours) – Developmental Biology ___ BIOS 4713 (3 hours) – Advanced Microbiology ___ BIOS 4723 (3 hours) – Virology ___ BIOS 4314 (4 hours) – Comparative Vertebrate Anatomy

Desirable courses: Medicinal Chemistry, Forensic Chemistry, Computer Sciences, Economics, Foreign Language, History, Philosophy, Public Speaking, Social Sciences, Statistical Methods or other advanced Mathematics (Students planning to earn a degree in Biological Sciences must complete MATH 1125,1126, and 2314. Advanced mathematics would constitute additional courses.) Consult the medical school bulletins for additional information.

ADMISSION TESTING: THE MCAT

Most medical schools (including all Louisiana schools) use the Medical College Application Test (MCAT). The MCAT is a computerized exam that can be taken during several test dates available between January and September. To register for the MCAT, go to the MCAT web site: http://www.aamc.org/students/applying/mcat/. There are many online study sites and books of practice MCAT exams. Since March 2015, Biochemistry (1 semester) and Statistics were added to the new MR5 (MCAT) Exam.

THE PRIMARY OR AMCAS APPLICATION

American Medical College Application Service forms are used by most U.S. medical schools (including all Louisiana schools). These forms should be submitted during the summer of the year before requested entry into medical school (primary application, or stage 1 of the application process). They will be sent by AMCAS to your designated medical schools which will then send their official application forms to you (secondary application or stage II of the application process). AMCAS web site: http://www.aamc.org/students/applying/amcas/

THE SECONDARY APPLICATION & THE UNO COMMITTEE ON PRE-MEDICAL & PRE-DENTAL STUDIES

This committee consists of faculty members from the College of Sciences. The Committee reviews your overall academic record and your personally solicited individual faculty evaluations. A committee evaluation, along with copies of the faculty evaluations and a Dean's Report on your standing in the College of Sciences, is sent to the medical schools you have listed on the committee application form (see below). Students near the end of the junior year or early in the senior year should submit materials to the UNO Pre-health Committee for evaluation and distribution to the schools of their choice. This also applies to post-baccalaureate students who have taken at least 30 semester hours of course work at UNO. Qualified students should initiate this process by obtaining an application form at the Department of Biological Sciences Office (CRC 200) or from the Pre-Professional Programs link on the UNO Biology website https://www.uno.edu/academics/cos/biology/undergraduate/pre-professional-programs. When the application form has been completed, return it to the Biological Sciences Office. At that time, you will be given three or four recommendation forms which should be hand delivered to professors who have agreed to serve as references. Recommendations should be solicited from faculty who have had adequate opportunity to evaluate your potential as a physician. It is the responsibility of the student to periodically check at the Biological Sciences Office to be sure the recommendations have been returned in a timely fashion.

UNO Student Organization-Alpha Epsilon Delta (AED) Pre-professional Health Honor Society: If you are interested in joining contact the Biological Sciences Department.

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