

Medicine

Pre-Professional Advising
(907) 474-7608 or 474-6396

Physicians serve a broad range of medical functions. They diagnose disease, prescribe treatment, supervise patient care, and participate in the improved delivery of health services. Many physicians branch off into basic and applied medical research, teaching, or administration.

Professional medical education consists of four years of graduate-level study. Typically, the first two years of medical school are composed of classroom instruction and laboratory work, and the second two years consist of clinical rotations. Medical school graduates may elect to continue their training in a one-year internship and/or a one- to three-year residency. The residency option is required in order to specialize in medicine.

Medical schools evaluate each applicant's overall academic achievement together with results of the Medical College Admission Test (MCAT). While medical schools do not require a specific undergraduate major, they generally expect applicants to have a foundation in biology, chemistry and physics. UAF courses that satisfy this are biology (BIOL 105X and 106X), chemistry (CHEM 103X and 104X, or 105X and 106X), organic chemistry with lab (CHEM 321, 322, and 324), and physics (PHYS 103X and 104X). Other science course work such as anatomy and physiology (BIOL 211X and 212X), as well as a background in the social sciences and humanities, is not usually required for admission but can strengthen a pre-med curriculum. Medical schools will consider applicants for admission after their third year of undergraduate work, but most entering medical students have completed a bachelor's degree.

Students who are considering medicine as a career choice should contact the dean of the College of Science, Engineering and Mathematics or the Academic Advising Center. An academic advisor will help the student with pre-med program advisement, exploration of professional schools and licensing requirements, and financial planning.

General University Requirements

All degrees (e.g. B.A., B.S., etc.) require additional courses. Refer to specific degree and program requirements.

COMMUNICATIONS (9)

Complete the following:

ENGL 111X (3) _____
ENGL 211X **OR** 213X (3) _____
COMM 131X **OR** 141X (3) _____

LIBRARY & INFORMATION SKILLS (0-1)

Complete the following:

LS 100X **OR** 101X (0-1) _____
OR Successful completion of library skills competency test.

PERSPECTIVES ON THE HUMAN CONDITION (18)

Complete either the following six courses:

ANTH 100X **OR** SOC 100X (3) _____
ECON/PS 100X (3) _____
HIST 100X (3) _____
ART/MUS/THR 200X, HUM 201X **OR** ANS 202X (3) _____
ENGL/FL 200X (3) _____
PHIL 322X, NRM 303X, COMM 300X,
PS 300X **OR** JUST 300X (3) _____

OR Complete 12 cr from the above list **PLUS** two semester-length courses in a single non-English or Alaska Native language at the university level **OR** three semester-length courses (9 cr) in American Sign Language.

MATHEMATICS (3-4)

Complete 3-4 credits from the following:

MATH 107X (3) _____
OR MATH 131X (except for BBA) (3) _____
OR MATH 161X (3) _____
MATH 200X (4) _____
MATH 201X (4) _____
MATH 202X (4) _____
MATH 262X (4) _____
MATH 272X (3) _____

NOTE: Additional 3 cr of math needed for degree requirements.

NATURAL SCIENCES (8)

Complete 8 credits from the following:

ATM 101X (4) _____
BIOL 103X **OR** 104X (4) _____
BIOL 105X-106X (8) _____
BIOL 111X-112X (8) _____
CHEM 100X (4) _____
CHEM 103X-104X (8) _____
CHEM 105X-106X (8) _____
GEOG 205X (4) _____
GEOS 100X **OR** 120X **OR** 125X (4) _____
GEOS 101X-112X (8) _____
MSL 111X (4) _____
PHYS 102X **OR** 175X (4) _____
PHYS 103X-104X (8) _____
PHYS 211X-212X (8) _____
PHYS 211X-213X (8) _____
PHYS 212X-213X (8) _____