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 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 F115X and F116X), chemistry (CHEM F103X and F104X, or F105X and F106X), organic chemistry with lab (CHEM F321, F322, and F324), and physics (PHYS F103X and F104X). Other science course work such as anatomy and physiology (BIOL F111X and F112X), 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 Natural Science 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. See www.uaf.edu/advising/degree/preprof/medicine.html for more information.

### Baccalaureate Core Requirements

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

#### COMMUNICATION (9)

Complete the following:

- ENGL F111X ............................................................................. (3)
- ENGL F190H may be substituted.

Complete one of the following:

- ENGL F211X OR ENGL F213X ................................................ (3)

Complete one of the following:

- COMM F131X OR COMM F141X .............................................. (3)

#### PERSPECTIVES ON THE HUMAN CONDITION (18)

Complete all of the following four courses:

- ANTH F100X/SOC F100X ........................................................... (3)
- ECON F100X OR PS F100X ..................................................... (3)
- HIST F100X .............................................................................. (3)
- ENGL/FIL F200X ..................................................................... (3)

Complete the following three courses:

- ART/MUS/THR F200X, HUM F201X OR ANS F202X ............ (3)

Complete one of the following six courses:

- BA F323X, COMM F300X, JUST F300X, NRM F303X,
  PS F300X OR PHIL F322X .................................................. (3)

OR complete 12 credits from the above courses PLUS

- two semester-length courses in a single Alaska Native language or other non-English language OR
- three semester-length courses (9 credits) in American Sign Language taken at the university level.

#### MATHEMATICS (3)

Complete the following:

- MATH F103X, MATH F107X, MATH F161X OR STAT F200X. (3–4)
  
  * No credit may be earned for more than one of MATH F107X or F161X.

OR complete one of the following:*  

- MATH F200X, MATH F201X, MATH F202X,
- MATH F262X OR MATH F272X .................................................. (4)
  
  *Or any math course having one of these as a prerequisite.

#### NATURAL SCIENCES (8)

Complete any two (4-credit) courses:

- ATM F101X .............................................................................. (4)
- BIOL F100X ............................................................................ (4)
- BIOL F103X ............................................................................ (4)
- BIOL F104X ............................................................................ (4)
- BIOL F111X ............................................................................ (4)
- BIOL F112X ............................................................................ (4)
- BIOL F115X ............................................................................ (4)
- BIOL F116X ............................................................................ (4)
- CHEM F100X .......................................................................... (4)
- CHEM F103X .......................................................................... (4)
- CHEM F104X .......................................................................... (4)
- CHEM F105X .......................................................................... (4)
- CHEM F106X .......................................................................... (4)
- GEOG F205X ........................................................................... (4)
- GEOS F100X .......................................................................... (4)
- GEOS F101X .......................................................................... (4)
- GEOS F112X .......................................................................... (4)
- GEOS F120X .......................................................................... (4)
- GEOS F125X .......................................................................... (4)
- MSL F111X ............................................................................. (4)
- PHYS F102X .......................................................................... (4)
- PHYS F103X .......................................................................... (4)
- PHYS F104X .......................................................................... (4)
- PHYS F113X .......................................................................... (4)
- PHYS F116X .......................................................................... (4)
- PHYS F175X .......................................................................... (4)
- PHYS F211X .......................................................................... (4)
- PHYS F212X .......................................................................... (4)
- PHYS F213X .......................................................................... (4)

#### LIBRARY AND INFORMATION RESEARCH (0–1)

Successful completion of library skills competency test OR

LS F100X or F101X prior to junior standing ......................... (0–1)

#### UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)

Complete the following:

- Two writing intensive courses designated (W) ...................... (0)
- One oral communication intensive course designated (O) .... (0)
- OR two oral communication intensive courses designated (O/2), at the upper-division level (see degree and/or major requirements) .... (0)

**TOTAL CREDITS REQUIRED**................................................... 38–39