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 103X and 106X), chemistry (CHEM 103X and 104X, or 103X and 106X), organic chemistry with lab (CHEM 321, 322, and 324), and physics (PHYS 103X and 104X). Other science coursework 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.

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**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)