

PHYSICIAN

Medical doctors diagnose and treat injuries and illnesses. They examine patients, prescribe medications, order, perform, and interpret diagnostic tests and counsel patients on preventative healthcare. Physicians are able to specialize in a number of areas. Physicians can be trained in allopathic (M.D. degree) or osteopathic (D.O. degree) medicine.

CAREER DESCRIPTION*

- » Typical salary: \$99,040 (NE); \$208,000 (National)
- » Projected career growth: 16.4% (NE); 13% (National)

TYPICAL EDUCATION**

- » Years of school (including undergraduate): 8
- » Approximate cost: \$207,866
- » Average entering GPA: 3.69
- » MCAT required
- » Average MCAT: 507

NEARBY SCHOOLS

- » University of Nebraska Medical Center
- » Creighton University
- » University of Iowa
- » University of Missouri-Kansas City
- » University of South Dakota

TIPS FOR SUCCESS

- » Maintain a competitive academic record
- » Shadow professionals in the field
- » Obtain direct patient health care experience
- » Stay active in community volunteering
- » Take one semester of at least 17 credit hours
- » Obtain competitive MCAT score
- » Apply for Pre-Medical Committee sponsorship

WHAT PRACTICING PROFESSIONALS SAY



The good physician treats the disease; the great physician treats the patient who has the disease."

-William Osler

AREAS OF SPECIALITY

- » Anesthesiologist
- » Cardiologist
- » Dermatologist
- » Emergency medicine
- » Gastroenterologist
- » Gynecologist
- » Hematologist
- » Hepatologist
- » Infectious disease specialist
- » Neurologist
- » Obstetrician
- » Oncologist
- » Orthopedics
- » Otolaryngologist (ear, nose and throat)
- » Pediatrician
- » Urologist

*Data and information from Bureau of Labor Statistics.

**Data and information from UNMC.

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Click the links for requirements from the schools listed below:

University of Nebraska Medical Center	Creighton University	University of Iowa
	University of Missouri-Kansas City	University of South Dakota

UNMC Prerequisites

S = Spring, F = Fall, M = Summer

Biological Sciences			
Course	Credits	Semester	Prerequisites
BIOL 1450 – Biology I	5	S, F, M	High school Biology and Chemistry
BIOL 1750 – Biology II	5	S, F, M	BIOL 1450
BIOL 2140 – Genetics	4	S, F, M	BIOL 1450 & BIOL 1750 and CHEM 1140 or 1180

Chemistry			
CHEM 1180 & 1184 – General Chemistry I & Lab	4	S, F, M	MATH 1320 or CHEM 1140/1144
CHEM 1190 & 1194 – General Chemistry II & Lab	4	S, F, M	MATH 1320 and CHEM 1180/1184
CHEM 2250 – Organic Chemistry I*	3	S, F, M	CHEM 1190/1194
CHEM 2260 & 2274 – Organic Chemistry II & Lab	5	S, F	CHEM 2250
BIOL 4650 & 4654 – Biochemistry I & Lab -AND-	4	F	CHEM 2260 & 2274 and CHEM 2400 or BIOL 3020
BIOL 4660 & 4664 – Biochemistry II & Lab -OR- CHEM 4610 – Biochemistry of Metabolism	4	S	BIOL 4650 & 4654 or BIOL 4650 & 4654 CHEM 2260 & 2274

*Apply for pre-med committee sponsorship immediately after completion of Organic Chemistry I.

Recommended Mathematics (minimum credits: 3)			
MATH 1950 – Calculus I	5	F, S, M	MATH 1320 and MATH 1330 or 1340
MATH 1940 – Calculus for Biomedicine	5	F	MATH 1320
MATH 1930 – Calculus for Managerial and Life Science -OR-	3	F, S, M	MATH 1320
BIOL 4110 – Statistics for Biology	4	F	BIOL 1450 & BIOL 1750 and MATH 1220, 1310 or 1530
PSYC 3130 – Statistics for Behavioral Sciences	3	S, F, M	MATH 1120, 1220, 1310 or 1530
SOC 2130 – Social Statistics	3	S, F, M	MATH 1120, 1130, 1220, 1310 or 1530
STAT 3000 – Statistical Methods I	3	S, F, M	MATH 1310 or 1220

Physics			
PHYS 1110 & 1154 – General Physics I & Lab	5	F, S, M	MATH 1310 or 1220
PHYS 1120 & 1164 – General Physics II & Lab	5	F, S, M	PHYS 1110 & 1154

Advanced physics may be substituted.

English Composition (minimum credits: 3)			
ENGL 1150 or 1154 – English Composition I	3	F, S, M	AP score of 3 or by EPPE exam
ENGL 1160 or 1164 – English Composition II	3	F, S, M	ENGL 1150 or 1154, AP score 4, or EPPE

Strongly Recommended Courses			
PSYC 1010 – Introduction to Psychology	3	F, S, M	None
SOC 1010 – Introduction to Sociology	3	F, S, M	None
NEUR 1520 – Introduction to Neuroscience I	3	F	High school Biology or Chemistry
BIOL 3020 – Molecular Biology of the Cell	3	F, S, M	BIOL 2140
BIOL 3240 – Introduction to Immunology	3	F, S	BIOL 1450, 1750 & 2140
BIOL 2740 – Human Anatomy and Physiology I	4	F, M	High school Biology and Chemistry
BIOL 2840 – Human Anatomy and Physiology II	4	S, M	BIOL 2740