

Undergraduate Academic Requirements for Medical School

AAMC.org - Some schools require applicants to complete a certain list of premedical course requirements while others have moved to a competency-based admissions. At a minimum, students will likely complete the following types of courses:

- One year of biology
- One year of physics
- One year of English
- Two years of chemistry (through organic chemistry)

More information can be found here: <http://hpa.ucdavis.edu/prehealthrequirements/>

School	Biological Sciences	Chemistry	Physics	Mathematics	Other
Harvard	1 Year Biochemistry Strongly recommended	2 years	1 Year	1 Year containing Calculus and Statistics	1 Year of Expository Writing
John Hopkins	1 Year General 1 Semester Biochemistry	1 Year General Chemistry 1 Semester Organic Chemistry	1 Year	1 Year Calculus and/or Statistics	2 Writing Intensive Courses
Duke	1 Course Biochemistry 1 course Cell Biology	Understanding of basic physics in correlation to human physiology	-----	1 Semester Calculus 1 Semester Statistics	Introduction to Sociology recommended
University of Washington, Seattle	9 quarters Total of Chemistry and Biology (including topics in chemistry, biology, biochemistry, molecular genetics, cell biology)		1 Year of Physics Or 2 Quarters Physics and 2 Quarters of Calculus or Linear Algebra		6 Quarters of social sciences or humanities
University of North Carolina, Chapel Hill	8 Semester Hours Course in Cell and Molecular Biology or Genetics strongly recommended	8 Semester Units General Chemistry 8 Semester Units Organic Chemistry	8 Semester Units General Physics with Lab	-----	6 Semester Units of English 3 Units Behavioral or Social Sciences

School	Biological Sciences	Chemistry	Physics	Mathematics	Other
University of California San Francisco	1 Year	1 Year General with Lab 2 Quarters Organic Chemistry	1 year	Strongly Recommended	Biochemistry recommended Humanities recommended
University of California Los Angeles	1 Year with Lab	2 Years with Lab	1 Year	1 Year with Calculus and Statistics	1 Year of English Spanish and Humanities highly recommended
University of California San Diego	1 Year 1 Course Biochemistry	1 Year General Chemistry 1 Year Organic Chemistry	1 Year	1 Year Calculus and Statistics	-----
University of California Irvine	1.5 Years (with one upper division course)	2 Years including General, Inorganic, and Organic Chemistry	1 Year	-----	-----
University of California Davis	1 Year	2 Years including Organic Chemistry	1 Year	-----	-----

Undergraduate Academic Requirements for Veterinary School

The American Veterinary Medical Association has a Summary of the updated Prerequisites on their website www.avmc.org

School	Biological Sciences	Chemistry	Physics	Mathematics	Other
University of California Davis	3 Quarters General Biology with Lab 1 Quarter Systemic Physiology 1 Quarter Biochemistry 1 Quarter Genetics	3 Quarters General Chemistry with Lab 2-3 Quarters Organic chemistry with Lab	2-3 Quarters	1 Quarter Statistics	-----
Cornell University	1 Year Biology with Lab 1 Semester Biochemistry 1 Semester Advanced Sciences Course	1 Year General Chemistry with Lab 1 Semester Organic Chemistry	1 Year General Physics with Lab	-----	1 Year English Composition or Writing Intensive Courses
Colorado State University	3 Semester Hours Biochemistry 3 Semester Hours Genetics 1 Semester Hour Biology Lab	1 Semester Hour Chemistry Lab	4 Semester Hours Physics with Lab	3 Semester Hours Statistics	3 Semester Hours English Composition 12 Social Sciences and Humanities 30 Semester Hours Electives

Undergraduate Academic Requirements for Dental School

Find more information on applying to Dental School in the United States from the Associated American Dental Schools Application Service at www.adea.org

School	Biological Sciences	Chemistry	Physics	Mathematics	Other
University of California Lost Angeles	12 Quarter Hours Biology with Lab 4 Quarter Hours Biochemistry	12 Quarter Hours General Chemistry with Lab 8 Quarter Hours Organic Chemistry with Lab	12 Quarter Hours Physics	-----	8 Quarter Hours English Composition 4 Quarter Hours Introductory Psychology
University of California San Francisco	3 Quarters Biology 4 Quarter Units Biochemistry	3 Quarters Inorganic Chemistry with Lab 2 Quarters Organic Chemistry	3 Quarters	-----	4 Quarter Units Psychology 16 Quarter Units Social Sciences, humanities
University of Michigan	12 Quarter Hours with Lab 5 Quarter Hours Microbiology 5 Quarter Hours Biochemistry	12 Quarter Hours Inorganic Chemistry with Lab 12 Quarter Hours Organic Chemistry with Lab	12 Quarter Hours with Lab	-----	9 Quarter Hours English Composition 5 Quarter Hours Psychology 5 Quarter Hours Sociology
Harvard University	1 Year Biology 1 Semester Biochemistry Cell Biology and Microbiology Recommended	1 Year General Chemistry 1 Year Organic Chemistry	1 Year Physics	0.5-1 Year Calculus 1 Course Statistics	1 Year English

Undergraduate Academic Requirements for Pharmacy School

Check out the American Association of Colleges of Pharmacy at www.aacp.org for information about Pharmacy School admission requirements. The Pharmacy College Application Service has tips for applying to dental school at www.pharmcas.org

School	Biological Sciences	Chemistry	Physics	Mathematics	Other
University of North Carolina Chapel Hill	0.5 Year Biology with Lab 0.5 Year Human Anatomy with lab 0.5 Year Microbiology with lab	1 Year General Chemistry with Lab 1 Year Organic Chemistry with Lab 1 Course Biological Chemistry	1 Year with Lab	1 Course Calculus 1 Course Statistics	-----
University of California, San Diego	1 Year with 1 Lab	1 Year General Chemistry with Lab 1 Year Organic Chemistry with Lab	2 Courses with 1 Lab	2 Courses Calculus	2 Courses English 1 Course Economics 1 Course Public Speaking/Debate 1 Course Human Behavior
University of California San Francisco	3 Quarters of Biology with 1 Quarter Lab	3 Quarters of General Chemistry with Lab 3 Quarters of Organic Chemistry with Lab	College Level Physics with Lab in Electricity and Magnetism	2 Courses of College Calculus	4 Quarter Units Physiology 2 Courses in Composition 1 Course in Economics 1 Course in Public Speaking/Debate 1 Course Psychology/Sociology/Cultural Anthropology