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Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1956-1957

University of Nebraska College of Medicine

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ANNOUNCEMENTS

1956 - 1957

THE UNIVERSITY OF NEBRASKA
COLLEGE OF MEDICINE

42nd and Dewey Avenue

Omaha 5, Nebraska

COLLEGE OF MEDICINE

History.—The legislative Act of February 15, 1869, provided for the formation of the University of Nebraska at Lincoln, and included provision for a college of medicine. In 1883, the University of Nebraska College of Medicine was established at Lincoln. It continued in operation until the 1887 session of the legislature withdrew its appropriation, necessitating discontinuance of the college on May 19, 1887. The Omaha Medical College, incorporated at Omaha in 1881, became a part of the University of Nebraska in 1902. The merger resulted in the first two years of the four-year medical course being given in Lincoln and the last two years in Omaha. Since 1913 the entire four-year course has been given in Omaha.

Standing.—Nebraska legislatures, since 1913, have appropriated more than three million dollars which the Board of Regents has devoted to the construction and equipment of buildings on the University of Nebraska College of Medicine campus at Omaha. In the 1953 Session of the Nebraska Legislature a bill was passed to raise \$6,000,000 within the next five years to build an addition to the University of Nebraska Hospital and to increase other teaching facilities on the College of Medicine campus. The campus provides for the instruction of students in the preclinical sciences, and in the University Hospital and Dispensary, for clinical teaching and experience. A strong faculty has met the demands of the expanding requirements of medical education, and, through affiliated hospitals, adequate clinical facilities have been provided.

The College of Medicine meets the requirements of the most exacting state examining and licensing boards. Its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. It is a member of the Association of American Medical Colleges and is approved by the Council of Medical Education and Hospitals of the American Medical Association. It maintains high standards in instructional staff and content of courses.

The course of study in medicine covers four years of 36 to 48 weeks each. The first two years in medicine include those laboratory sciences which form the basis for the clinical studies of the last two years. The clinical application of laboratory subjects is emphasized and introductory clinical subjects are given in the second year. The last two years are spent largely in the study of disease in clinics of the hospital and outpatient department. The objective method is followed in laboratories and clinical instruction. In all courses students are encouraged to do a large amount of individual work and are arranged in small groups to meet both laboratory and clinical instructors.

APPLICATIONS FOR ADMISSION



Printed application forms are available at the College of Medicine, University of Nebraska, 42nd Street and Dewey Avenue, Omaha 5, Nebraska. Students applying for any given class must have their applications completed by December 1 of the year preceding intended entrance.

In considering scholastic records of applicants, greater weight is given to the quality of work than to an excess of credit hours over the minimum required number. High scholarship alone does not assure acceptance. Consideration is given also to appraisals of character, personal interviews, scores on the Medical College Admission Tests and general fitness and promise of the candidate.

A very limited number of students from states other than Nebraska and not more than two students from foreign countries will be accepted to the freshman class. It is the policy of the Committee on Admissions and Scholastic Standing to require that foreign students spend at least one year, and preferably two, studying in an undergraduate college in this country before applying for admission to the College of Medicine. This policy has been established in order both that the applicant may become familiar with the language, customs, and methods of teaching in the United States, and that the Committee may obtain a better evaluation of his qualifications and preparation for medicine.

APPLICATION PROCEDURE



Applicants for admission to the College of Medicine must present the following:

1. A completed application form sent from the College of Medicine.
2. A small recent, unmounted photograph, preferably 2 x 2½ inches.
3. An official transcript sent directly from the high school attended, showing the grades and credits earned.
4. An official transcript sent directly from each college or university attended.
5. Two character appraisals from professors of premedical sciences, preferably chemistry, zoology or physics.
6. The result of the Medical College Admission Test. Applicants will take the test by the fall of the year preceding intended entrance. Information concerning this test may be obtained from the premedical adviser of the Arts and Science College or from the Education Testing Service, 20 Nassau Street, Princeton, New Jersey. Students should communicate directly with that office for specific details.

A personal interview with members of the Committee on Admissions and Scholastic Standing is required. Interview sessions will be held at the campus of the University of Nebraska in Lincoln in November or December. Interviews will be given at the College of Medicine at stated dates. Inquiries should be made of the premedical advisers at Lincoln or of the Assistant Registrar of the College of Medicine for appointments for interviews.

A fee of \$5.00 must accompany the application of a student who is not a legal resident of Nebraska. Remittance should be made by check or postoffice money order and made payable to the University of Nebraska College of Medicine. Currency should not be sent. The fee will cover the cost of handling the application and is not refunded.

Any applicant who has previously applied for admission and has not been accepted or who fails to enroll after an acceptance must re-apply in the regular manner if he wishes consideration for a subsequent year.

If an applicant has previously attended a medical school, he must also submit complete official transcripts of his medical school work and a letter of honorable dismissal from the dean of the last medical school attended. If a student has been dropped from another medical school because of poor scholarship or unsatisfactory conduct, he is not acceptable for admission to the University of Nebraska College of Medicine.

SPECIFIC EDUCATIONAL REQUIREMENTS



High School.—Fifteen secondary school units are required for admission and must include three units in English, two units in one foreign language

(ancient or modern), two units in mathematics (one each of algebra and geometry or an equivalent), and one in science (biology, botany, chemistry, physics or zoology). One unit each of English, foreign language and mathematics may be certified in the ninth grade.

College or University.—The University of Nebraska College of Medicine requires a minimum of three years of college work (90 semester hours or 135 quarter hours) in an accredited college. Specific minimum premedical course requirements are as follows:

	<i>Semester Hours</i>
Chemistry (4 hours of which must be organic)	14
Biology	8
Physics	8
English	6
Electives (including foreign language)	54
	90
Total	90

CHEMISTRY: Fourteen semester hours which must include complete course in general inorganic chemistry, and organic chemistry.

BIOLOGY: Eight semester hours, of which at least four semester hours represent laboratory work. The requirements may be satisfied by a course of eight semester hours of credit in zoology. These requirements can be satisfied at the University of Nebraska by completing courses: Zoology 1, 2, 112, 141 or 151; or by Biology 1, 2 and Zoology 112 or 141 or 151. They may also be met by four credit hours in zoology and four credit hours in botany, but not by botany alone.

PHYSICS: Eight semester hours including mechanics, sound, heat, electricity, magnetism and light. For students at the University of Nebraska this requirement can be met by the completion of Physics 1 and 2, or 103 and 104.

ENGLISH COMPOSITION AND LITERATURE: Six semester hours. Students should develop the ability to speak and write good English, and those found deficient in the use of written or spoken English will not be permitted to enter upon or continue the medical course.

FOREIGN LANGUAGE: Students must have a reading knowledge of a foreign language, preferably a modern foreign language. This requirement may be met as follows:

	<i>Hours</i>
A. 1. Classics	6-18
2. Modern Languages	6-18
Language requirement for graduation:	

HIGH SCHOOL LANGUAGE	GROUP REQUIREMENT	(or)	COMBINED GROUP and ENTRANCE REQUIREMENT
1 semester or none	16 hours in one language		18 hours in one language
2 semesters	11 hours in same language		12 hours in same language
3 semesters	11 hours in same language		11 hours in same language
4 semesters	6 hours in same language		6 hours in same language

A student who has completed French 14, German 4, Spanish 54 or Latin 6, or the equivalent of these courses, with a grade of 6 or above, will be considered as having met the language requirements of the College. All of these courses are fourth semester courses. It is presumed that any student who can earn a grade of 6 in these courses has an acceptable knowledge of the language, even if he has not earned credit in the more elementary courses in these languages.

A student applying to the College of Medicine should have a grade average of at least 6.0 in all the required science courses. The grade

point of 6.0 is based upon the grading system of the University of Nebraska. The equivalent in other grading systems will be determined by the Assistant Registrar's Office and the Committee on Admissions and Scholastic Standing. In determining the equivalent, the grading system and the scholarship requirements of the college or university wherein the work was completed will be taken into consideration.

ELECTIVES: It is recommended that the remaining hours include psychology, social studies, history and other humanities and should be chosen with the idea of obtaining the maximum cultural benefit. Candidates for a bachelor's degree are urged to choose elective subjects not related to the specific medical requirements in order that they may acquire a broad cultural background. Credits offered from professional schools which do not regularly receive arts college credit are not accepted for premedical college requirements.

Semester hours of credit in subjects such as human anatomy, histology, embryology, physiology, biochemistry, medical bacteriology, or any other subject which is taken in the medical college cannot be used in satisfying the admission requirements.

REGISTRATION AND ADMISSION TO CLASSES



When an applicant receives notice that he has been accepted for entrance to the College of Medicine, he is required to send a deposit of \$25.00. This is applied as part payment of the tuition fee for the first installment or is forfeited if the applicant fails to register in the class for which he was accepted. Applicants who are eligible for the provision of Public Law 550 should present their certificates of eligibility in lieu of the \$25.00 entrance deposit.

Registration is accomplished on the day indicated in the official calendar. A fee of \$3.00 is charged any student who, unless excused by the dean, seeks to register later than this day. A fee of \$2.50 is charged for reregistration. Any change whatever in a registration once made is considered as a reregistration. No work done in the College of Medicine may be granted credit without proper registration. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered without written permission from the dean.

Advanced Standing.—Application for admission to the second or third year medical classes will be considered only from students attending medical schools approved by the Council on Medical Education and Hospitals of the American Medical Association and provided a vacancy exists. An applicant for admission to advanced standing must follow the regular application procedure (see p. 4) and must furnish evidence that he has satisfactorily completed courses equivalent in kind and amount to those taken by the class to which admission is sought, and must present also a letter of honorable dismissal. The University of Nebraska College of Medicine reserves the right in every case to give examinations in any or all subjects in which credit is requested.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

No student will be admitted to advanced standing in any class while he has a delinquency in any subject. No student may become a candidate for graduation unless he has spent the last two years in residence at this college.

In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the Doctor of Medicine degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college, the last two years of which must be in residence in the University of Nebraska College of Medicine.

The granting of transfer credit is at the discretion of the Committee on Admissions and Scholastic Standing. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the Committee on Admissions and Scholastic Standing has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the students of this College; and in case the work is not equal to such requirement the deficiency stands against the student as an "incomplete" until removed.

Class Standing and Examination.—The standing of a student in any course is determined by the instructor in charge of the subject through examinations, personal contact, and observation of work. The passing grade for subjects of the first and second medical years is 4. However, a student who fails to make a yearly average of 5 must pass an oral examination in all of the subjects of the year just completed before being permitted to register for the following year. A student is allowed to take only one recapitulation examination. The passing grade for the third and fourth years is 5.

A course, which for a good reason has not been completed, may, if of passing grade, be marked "incomplete." Such incomplete must be removed by the end of the first quarter in which the course is again offered or it becomes a failure.

A failed subject must be absolved by reregistration in and satisfactory completion of the subject at or before the next offering in the college schedule. A reregistered subject takes precedence over all other subjects. A minimum grade of 5 in each course is required of students repeating work during the first two years. A student who has failed twice here or elsewhere in the same subject is not eligible for registration in that subject at this college.

Whenever at the end of any quarter a student is delinquent in half or more of his registered hours, his name is automatically dropped from the rolls of the College of Medicine and his registration cancelled.

Student discipline will be handled by the Dean of the College of Medicine. A student who by quality of work or conduct indicates an unfitness to enter the medical profession may be required at any time to withdraw from the medical college. Recommendations for suspensions, dismissals, or other suitable action as the case warrants, will be made to the Faculty of the College of Medicine, the Chancellor, and the Board of Regents. The Dean may appoint a committee of the Faculty to advise him on such matters.

Absence or Withdrawal.—Attendance at less than 80 per cent of the scheduled lectures and recitations or 85 per cent of the scheduled laboratory and clinical hours constitutes a failure in any course and shall be so reported.

The Dean of the College of Medicine is the adviser of all students in the College of Medicine. A leave of absence for a short time may be granted by the dean. This is merely a justification for absence and not

an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a quarter, the dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

REQUIREMENTS FOR GRADUATION



The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be at least 21 years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed all required courses and examinations of the College of Medicine, University of Nebraska. The last two years' work must have been taken at this institution.
5. He must have written an acceptable paper on an examination posed by the Examinations Committee at the end of the senior year, and also have passed all departmental examinations.
6. He must have written and presented an acceptable, typed senior thesis.
7. He must have discharged all indebtedness to the University of Nebraska.

The degree of Doctor of Medicine *cum laude* may be conferred upon a student who has made a high scholastic record, and who, in addition, has in the course of his medical studies performed some original research. Such a student must be recommended by the department in which the original work was done. Usually he must stand in the upper ten per cent of his class.

Courses Leading to the Degrees of Bachelor of Arts or Bachelor of Science and Doctor of Medicine.—Students who have transferred from the University of Nebraska College of Arts and Sciences may at the end of their fourth year earn the Bachelor of Arts degree or Bachelor of Science degree by:

1. Completing the group requirements of the College of Arts and Sciences (see page 19 of the College of Arts and Sciences catalog).
2. Completing two minors or one major.
3. Using the subjects of the first year of the medical course as a major.

Both of these degrees are conferred by the College of Arts and Sciences.

Candidates for baccalaureate degrees in institutions other than the University of Nebraska may arrange with their colleges to accept transcripts of the work of the first two years in medicine to apply to such degrees, or otherwise satisfy the requirements of those institutions.

Course Leading to the Degree of Bachelor of Science in Medicine.—Only students presenting premedical college credits of high standard and who have completed the first two years in medicine, the last year of which shall be in residence in this institution, but who have not fulfilled the requirements for the degree of Bachelor of Science or Bachelor of Arts in the College of Arts and Sciences, may become candidates for the degree of Bachelor of Science in Medicine.

FEES AND EXPENSES



All students who are legal residents of Nebraska and who carry a full student load will pay a single annual fee of \$450.00. Nonresident students will be charged a single annual fee of \$630.00. Adjustments may be made in the case of students carrying less than the full student load. One-half of tuition is due at registration, the balance on February 1.

The annual fee includes matriculation, registration, medical, laboratory, library, diploma and course fees. In case of undue usage of materials or breakage or loss of equipment other than that allotted to each course, and because of negligence on the part of the student, a penalty charge will be levied based on the fair value of such material and equipment so lost or broken.

FEE REFUNDS



A student who withdraws from the University during any term for which he registered is entitled to claim a refund of a portion of his fees. A refund schedule is available at the Finance Office.

MISCELLANEOUS INFORMATION



Form of Payment.—To avoid misunderstanding as to the amount charged for fees, checks on personal accounts will be received only when written for the exact amount of the fees. Parents or guardians should write checks for fees and for other expenses separately; if this is not done, students should deposit funds in a local bank and give personal checks for the amount of the fees.

Remittance by mail should be by draft, money order, or cashier's check. Do not send coin or money except by registered mail. It is impossible to trace money lost in the mail and University officials cannot be held responsible for such loss.

Nonresident Students.—According to the Nebraska law, any student whose legal residence is not Nebraska is required to pay the nonresident fee. Those who enter the state to attend any institution of learning in this state will be considered nonresidents until they prove that they are legal residents as defined by the state statutes.

If a student wants to apply for exemption from the nonresident fee, he must get a residency application blank from the Office of the Comptroller and fill it in completely. This application blank must be notarized and then filed in the Office of the Comptroller.

The deadline for filing this application is the end of the sixth week of the term for which the tuition fee has been charged.

Students who are interested in the exact wording of the state law on residency can find it on the application blank for exemption from nonresident fees.

Microscopes.—Students are required to provide suitable microscopes for their own use. Inquiries regarding specifications for microscopes as recommended by the faculty may be obtained by addressing the dean's office.

Expenses.—Board may be obtained in the vicinity of the College campus at an average cost of \$15 to \$20 a week and comfortable rooms for \$30 to \$40 a month. Students rooming together may obtain comfortable rooming quarters at slightly less than this amount. One hundred dollars a year should be allowed for books and instruments. The average expenses of the student for a school year, including board and room, books, instruments and all fees is between \$1,400 and \$1,600.

STUDENT HEALTH SERVICE



The Student Health Service, which is a part of the Division of Preventive Medicine, has as its function the protection and conservation of the health of medical and nursing students. Periodic physical examinations are given and immunizations of proved worth are offered. Laboratory, X-ray and hospital facilities are available to those who need them. Ill students may report here for examination and treatment.

LOANS



The University of Nebraska College of Medicine has available loan funds for deserving students who, in an emergency, need financial assistance while attending medical school. These funds are made available through a special committee and are generally reserved for students who have completed one or more years of the medical courses and established themselves as able and worthy.

MEDICAL CURRICULUM



Departmental Hours.—The course of study outlined is constructed in accordance with the recommendations of the Council on Medical Education and Hospitals of the American Medical Association and of the Association of American Medical Colleges. The University Hospital and Dispensary on the Medical College campus furnish ideal opportunities for bedside clinical instruction in close relation to the scientific departments of the college.

Address INQUIRIES to the Office of the Dean, University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha 5, Nebraska.

GRADUATE WORK



Graduate work leading to the Master of Science or Doctor of Philosophy degree is offered at the College of Medicine under the rules and regulations of the Graduate College. Students registering for graduate work in Medical Sciences must comply with the general requirements of the Graduate College and special rules governing the graduate work in Medical Sciences. Upon recommendation of the Graduate Committee at the College of Medicine admission to graduate work in the Medical Sciences may be granted to students who are in any of the following categories:

1. Students with Bachelor of Science or Bachelor of Arts degrees from recognized colleges or universities who attain an average grade of 7 in a qualifying examination in the basic medical sciences.
2. Students with a baccalaureate degree and the degree of Doctor of Medicine with an acceptable record.
3. Students with a master's degree from an acceptable college and presenting the equivalent of two semesters credit in the basic medical sciences.
4. Students from the College of Medicine who have bachelor's degrees, who have completed the first two years of the regular curriculum in the College of Medicine or its equivalent, and who have attained an average grade of 7 in their courses or passed a qualifying examination in the basic medical sciences with a grade of at least 7.

Graduate students who are admitted with deficiencies in the medical sciences may, by permission of the Graduate Committee and approval of

the Dean of the Medical College, register for courses on the College of Medicine campus in preparation for their qualifying examinations. Such graduate students may, upon satisfying the examiners in the medical sciences, make application to the Graduate Committee for graduate credit in certain medical courses successfully completed. The Graduate Committee may make recommendation for such credit on the basis of the attainment and aptitude of the applicant. In any case at least one-half of the total credit for the master's degree shall be taken in graduate courses listed as 350 and above. Medical courses for which partial or total graduate credit may be allowed are listed under the respective departmental headings in the sections which follow listing courses of instruction.

A student who wishes to become a candidate for an advanced degree must select work in one of the departments approved for graduate work.

Candidates for advanced degrees who select one of the preclinical departments for their thesis research may come from any of the four categories listed above.

Candidates for advanced degrees who select one of the clinical departments for their thesis research must hold the M.D. degree and must select some graduate work in the preclinical departments.

The distribution of graduate work should be such that not more than two-thirds of the total program, including thesis research, should be in the major field of study and the remainder in at least one other department for candidates for the master's degree or at least two other departments for candidates for the Doctor of Philosophy degree.

Candidates for advanced degrees who select one of the preclinical departments for their thesis research may select other preclinical departments for additional work. Candidates for advanced degrees who select one of the clinical departments for their thesis research select preclinical departments for additional work.

Graduate students may be required to obtain proficiency in their field of concentration by participation in the instruction of medical students for at least one quarter in a regularly required course in the College of Medicine. A student who fails to earn an average grade of at least 7 may not continue his program of study without special permission of the Committee on Graduate Studies. The final oral examination for all advanced degrees will involve a defense of the thesis and will determine the candidate's knowledge of the fundamentals in the field of medical science, and their integration with the special fields of study.

GRADUATE FEES



A resident student who originally registers for less than 12 quarter hours will be charged at the rate of \$10.50 for the first hour and \$4.50 for each additional hour up to and—if courses are added later—including the twelfth. Quarter hours added thereafter will be free of charge.

A change of registration fee of \$2.50 is charged in addition to the regular tuition for any changes made from the original registration.

A nonresident student who registers for less than 12 quarter hours will be charged double these fees, namely \$21.00 for the first hour and \$9.00 for each additional hour as well as the \$2.50 change of registration fee if the original registration is changed.

All students who are legal residents of Nebraska and who carry a full schedule (12 or more hours) in any quarter will pay a fee of \$60.00 per quarter. Nonresident students will be charged a single fee of \$120.00 each quarter. The single fee includes—in addition to course charges—registration, library, diploma, and Student Health fees.

