

Catalog 1979-80

North Texas State University
Health Sciences Center/
Texas College of Osteopathic Medicine



Accreditation

The Texas College of Osteopathic Medicine is accredited by the Bureau of Professional Education of the American Osteopathic Association. The Bureau is recognized by the U.S. Office of Education and the Council on Post-Secondary Education as the official accrediting agency for osteopathic medicine. NTSU/TCOM is approved by the Coordinating Board, Texas College and University System and by the Texas State Board of Medical Examiners. NTSU/TCOM maintains membership in the American Association of Colleges of Osteopathic Medicine.

It is the policy of the North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine not to discriminate on the basis of sex, race, color, religion, age, national origin or handicap in its educational programs, activities, admissions or employment policies.



**North Texas State University
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The Osteopathic Oath

I do hereby affirm my loyalty to the profession I am about to enter.

I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their confidence and respect both as a physician and a friend who will guard their secrets with scrupulous honor and fidelity, to perform faithfully my professional duties, to employ only those recognized methods of treatment consistent with good judgment and with my skill and ability, keeping in mind always nature's laws and the body's inherent capacity for recovery.

I will be ever vigilant in aiding the general welfare of the community, sustaining its laws and institutions, not engaging in those practices which will in any way bring shame or discredit upon myself or my profession. I will give no drugs for deadly purposes to any person, though it be asked of me.

I will endeavor to work in accord with my colleagues in a spirit of progressive cooperation, and never by word or by act cast imputations upon them or their rightful practices.

I will look with respect and esteem upon all those who have taught me my art. To my college I will be loyal and strive always for its best interests and for the interests of the students who will come after me. I will ever be alert to further the application of basic biologic truths to the healing arts and to develop the principles of osteopathic medicine as taught by my profession.

In the presence of this gathering I bind myself to my oath.

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**Calendar
1979-80****Fall Semester**

August 20-23, 1979

Orientation for first-year students

August 24, 1979

Registration for all classes

August 27, 1979

First day of classes for first-, second- and third-year students

September 3, 1979

Labor Day holiday

October 16, 1979

Midterm grade reports due in Office of Registrar

October 25-26, 1979

Administration of Parts I and II, National Board of Examiners for Osteopathic Physicians and Surgeons, Inc.

November 22-23, 1979

Thanksgiving holiday

December 7, 1979

Last day of classes for first-, second- and third-year students

December 10-18, 1979

Final examinations for first-, second- and third-year students

December 19, 1979

Fall semester grades due in Office of Registrar

Spring Semester

January 3, 1980

Classes begin for first- and second-year students

Clinical clerkship rotations begin for third-year students

February 22, 1980

Midterm grade reports due in Office of Registrar

March 3-7, 1980

Spring break for first- and second-year students

March 20-21, 1980

Administration of Part II, National Board of
Examiners for Osteopathic Physicians and
Surgeons, Inc.

April 4, 1980

Good Friday holiday

April 21-23, 1980

No classes for second-year students

April 24-25, 1980

Administration of Part I, National Board of
Examiners for Osteopathic Physicians and
Surgeons, Inc.

May 9, 1980

Last day of classes for first-, second- and fourth-
year students

May 12-20, 1980

Final examinations for first- and second-year
students

May 16, 1980

Senior Banquet

May 17, 1980

Commencement

May 22, 1980

Spring semester grades due in Office of
Registrar

The osteopathic concept*

Osteopathic medicine is a philosophy of health care and a distinctive art, supported by expanding scientific knowledge. Its philosophy embraces the concept of the unity of the living organism's structure (anatomy) and function (physiology). Its art is the application of the philosophy in the practice of medicine and surgery in all its branches and specialties. Its science includes the behavioral, chemical, physical and biological knowledge, related to the establishment and maintenance of health as well as the prevention and alleviation of disease.

Osteopathic concepts emphasize the following principles:

1. The human body is a unit in which structure (anatomy) and function (physiology) are mutually and reciprocally interdependent.
2. The body, through a complex equilibrical system, tends to be self-regulatory and self-healing in the face of disease processes.
3. Adequate function of body systems depends upon the unimpeded circulatory mechanisms and nerve impulses.
4. A rational treatment regimen is based on this philosophy and these principles.

*Statement adopted by Department of Osteopathic Philosophy, Principles and Practice, February 1978, North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine.

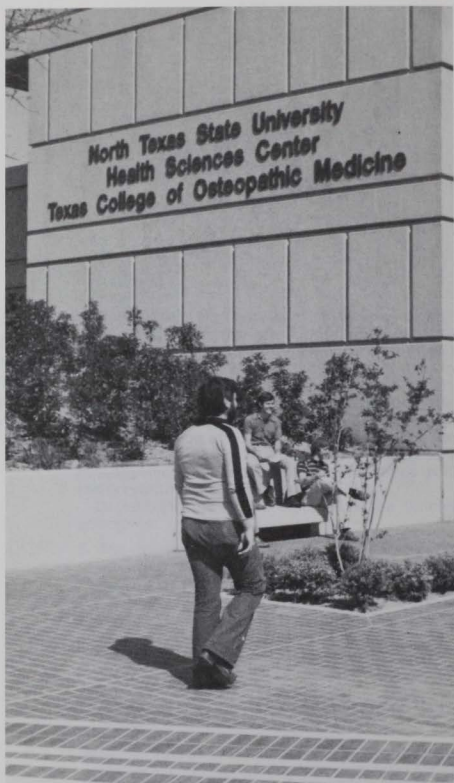
THE COLLEGE

History

Purpose

Location

Facilities and services



History

During its relatively short history, North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine has passed through one era and into a second. Established in 1966 as a privately funded medical college, the school became state supported in 1975 and is now under the direction of the North Texas State University Board of Regents. The path from private school status, dependent largely on the state's osteopathic physicians for support, to a place in the state university system was a short one for NTSU/TCOM.

The efforts of three Fort Worth osteopathic physicians — Drs. George Luibel, Carl Everett and D.D. Beyer — led the State of Texas to grant a charter for Texas College of Osteopathic Medicine in June 1966. Fort Worth and Tarrant County were chosen by TCOM's original Board of Directors as the location for the college because Fort Worth was the only major city in the state without a medical school. In addition, the Dallas-Fort Worth area has the largest concentration of osteopathic physicians in Texas.

The private college opened its doors in 1970 with an entering class of 20 students. From this beginning, the state's only osteopathic medical college has grown to a 1979 enrollment of 299.

Purpose

It is the aim and purpose of North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine to produce competent osteopathic physicians, thoroughly trained in the tenets and principles of osteopathic medicine. Within the scope of its educational program, the college will directly serve the health needs of those within its reach, while advancing the knowledge and development of the osteopathic contribution to medicine through research programs.

Opportunities for the continuing study and development of teachers and investigators as well as physicians will be an integral part of the college program. In addition, the college plans to develop an osteopathic health science center which may include a graduate school and other programs in the allied health field.

Location

Located "Where the West Begins," in Fort Worth, NTSU/TCOM is the city's only medical college. The campus is west of downtown, adjacent to the Fort Worth museum complex which includes the nationally famous Amon Carter Museum of Western Art, Kimbell Art Museum, Fort Worth Museum of Science and History and Fort Worth Art Museum.

With a population of some 400,000, Fort Worth is the county seat for Tarrant County which boasts a population of over 700,000. Not only is the city a cultural center, but it also is an aerospace, transportation, industrial and educational center. In addition to NTSU/TCOM, Fort Worth has six colleges and universities with an enrollment of more than 41,000 graduate and undergraduate students.

Fort Worth is located some 25 miles west of Dallas and the two cities are linked by one of the world's largest airports, Dallas-Fort Worth Regional Airport. The DFW Metroplex also boasts numerous recreational areas, and for the sports enthusiast, both collegiate and professional sports are available.

While Fort Worth is metropolitan in all respects, it has maintained the relaxed pace of easy Western living and hospitality. Detailed information on the city is available from the Fort Worth Chamber of Commerce.

Facilities and services

Both academic and administrative facilities of the college are located in the Greater Fort Worth area. The central campus is at the corner of Camp Bowie Boulevard and Montgomery Street. The new eight-story Medical Education Building I opened in the fall of 1978 to house academic departments, an ambulatory care clinic, library and administrative offices.

Plans are underway for Medical Education Building II, a \$15.5 million basic science building which will be located on the main college campus.

Within one mile of the central campus is the River Plaza Campus Center, a modern 38,000-square-foot building which houses basic science departments.

The college operates a number of general prac-

tice and specialty clinics under the administration of the Department of General and Family Practice and the various specialty departments. Student physicians in these clinics are directly supervised by fully licensed osteopathic physicians trained in the appropriate areas.

Clinics

Clinics operated by the Department of General and Family Practice:

Riverside Family Practice Clinic serves the southeast section of Fort Worth, a medically underserved area. Don Peterson, D.O., Director.

Central Family Practice Clinic, in Medical Education Building I, serves the western portion of the City of Fort Worth. Stephen Urban, D.O., Director.

Justin Family Practice Clinic, located 30 miles north of Fort Worth, serves the rural community of Justin and the surrounding area. Scott Taylor, D.O., Director.

Northside Family Practice Clinic, located in the northwest section of Fort Worth, provides medical care to a predominantly Mexican-American and Black community. Robert R. Brown, D.O., Director.

Godley Clinic is scheduled to open in the near future some 30 miles south of Fort Worth in the rural community of Godley, a medically underserved area.

The following clinics are operated by specialty departments:

Department of Medicine Clinic

Westside Obstetrical and Gynecological Consultants

Westside Pediatric Consultants

Psychiatric Consultants

Osteopathic Consultants

Rehabilitation/Sports Medicine Clinic

Surgical Associates of Fort Worth

Teaching hospitals

Eight Texas hospitals serve as teaching hospitals and provide 1,000 patient care beds. NTSU/TCOM's primary teaching hospital is the 200-bed Fort Worth

Osteopathic Hospital across the street from the central campus. Serving as teaching hospitals are:

Fort Worth Osteopathic Hospital

Fort Worth, Texas

Richard B. Baldwin, D.O., Director of Clinical Clerk Education

U.S. Air Force Regional Hospital

Carswell Air Force Base, Fort Worth, Texas

Capt. Edward Bryant, M.D., Director of Medical Education

Grand Prairie Community Hospital

Grand Prairie, Texas

Frank Falbey, D.O., Director of Clinical Clerk Education

James G. Matthews, D.O., Assistant Director of Clinical Clerk Education

H. R. McDaniel, M.D., Assistant Director of Clinical Clerk Education

Dallas Osteopathic Medical Consortium

Dallas Osteopathic Hospital

East Town Osteopathic Hospital

Stevens Park Osteopathic Hospital

Dallas, Texas

John Walton, D.O., Director of Medical Education

The University of Texas Health Science Center at Tyler

Tyler, Texas

Ken Nelson, M.D., Program Coordinator

Corpus Christi Osteopathic Hospital

Corpus Christi, Texas

C. R. Cueto, D.O., Director of Clinical Clerk Education

William Beaumont Army Medical Center

El Paso, Texas

Col. William J. Tiffany Jr., M.D., Director of Medical Education

Office of Medical Education

The Office of Medical Education is designed to support curriculum, instructional and evaluation activities within the academic program. This unit ex-

ists primarily to organize and provide educational services throughout the college. The general goals of the Office of Medical Education are to stimulate concern for sound educational practices and subsequently to assist in implementing those which are endorsed by the administration and faculty.

Specific activities undertaken by the Office of Medical Education include activities in the areas of curriculum planning and implementation, instructional design and development, audiovisual production and distribution, curriculum and course evaluation, library and learning facilities operation, faculty development, continuing medical education and grant development.

At the present time, divisions of the Office of Medical Education include biomedical communications, the medical library, evaluation services, continuing medical education and grants.

Medical Library

The Medical Library, which serves the college and the medical community from the newly constructed Medical Education Building I, houses more than 30,000 volumes of biomedical literature and in excess of 2,000 journal titles in the health sciences and allied health sciences fields. In addition, there are over 1,500 audiovisual titles and eight equipped viewing rooms. Other learning resources located in the Library include computer-assisted instructional programs accessed through The Ohio State University School of Medicine, the Massachusetts General Hospital and the PLATO system through the University of Illinois.

In addition to its own resources, the Medical Library has ready access to materials in seven other Tarrant County medical libraries through a reciprocal "interlibrary" loan agreement. The Medical Library also is the MEDLINE Center for Tarrant County and outlying regions to the west. MEDLINE is a computerized bibliographic file of articles indexed by the National Library of Medicine from over 3,000 biomedical journals. Seventy-five other bibliographic files such as Biological Abstracts, Chemical Ab-

stracts, Excerpta Medica and Science Citation Index also are available on-line.

Biomedical communications

The Biomedical Communications Division, consisting of medical arts, AV-TV and printing, is an educational service facility which supports development and implementation of the curriculum. The division's primary goal is the design and production of various forms of learning materials for use by the faculty in the classroom or for individual student retrieval in the library.

Staff and facilities are available for the production and distribution of color television programs, color slides and overhead transparencies, audio tapes and original artwork for publications. Rental of commercially prepared materials and scheduling of materials and equipment for classroom use are services available through biomedical communications.

Color television programs can be produced in the TV studio or at remote locations. Classroom display of pre-recorded videotapes is scheduled through the Biomedical Communications Office, while individual viewing of the same programs is a service provided by the Library.

Through the combined efforts of faculty, medical education, library and biomedical communications, progress is being made toward the development of self-paced learning programs. Depending upon content, these programs may take the form of slide/tape, videotape, audiotape or printed materials. When completed, they are made available for student use in the Library.

Continuing medical education

The Office of Continuing Medical Education has assumed a leadership role in offering continuing medical education to the 1,000 osteopathic physicians practicing in Texas. To provide these services to D.O.s throughout the state, both in rural and urban areas, plans have been made for a comprehensive program of seminars on current medical topics for 1979-80.

In addition to the seminar series, which will be presented at the college and at rural locations throughout Texas, the Office of Continuing Medical Education also develops video tape presentations on medical topics of interest to the osteopathic general practitioner. These taped programs will be made available to physicians through the nearest community hospital.

Grants

Assistance is provided in locating external sources of grant support which may be available for funding of research and other academic activities. Services to faculty include notification of known granting agencies, together with information regarding grant deadlines, funding preferences and proposal submissions.

News and information services

News of public interest concerning the college, faculty, staff and student body is distributed by the Office of News and Information Services to press associations, newspapers, radio and television stations and other publications. All college publications, including brochures, flyers, newsletters and catalogs, are prepared in this office. Special projects include a speaker's bureau and the planning of convention displays. The office cooperates closely with the college departments in the planning of special events such as graduation and fall convocation.

Development and Alumni Offices

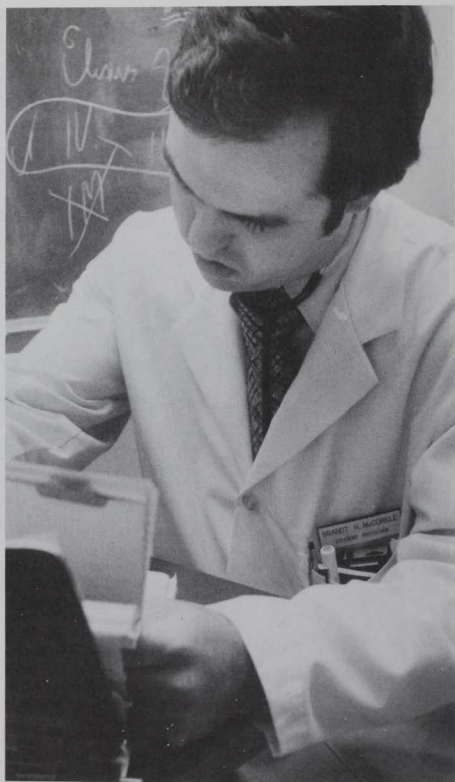
The Offices of Development and Alumni Affairs work together to develop funding from private sources to establish and maintain programs, such as scholarships, visiting professorships and lectures by outstanding speakers, which cannot be supported by state appropriations.

Many gifts to the college are now made through the newly chartered Texas College of Osteopathic Medicine Foundation, a non-profit organization designed to generate a flow of private financial support for the medical school.



ADMISSION POLICIES

Admission requirements
 Procedures
 Tuition and fees
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 Minority students
Procedures for transfer
 Financial aid



The New Medical College Admissions Test (MCAT) is required of all applicants. The New MCAT must have been taken no later than the fall of the year preceding that for which application is made. The spring MCAT test date is preferred over the fall MCAT test date, as the scores from the fall test may delay the completion of an application.

Admission requirements

To be considered for admission to North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine, a candidate must meet the following prerequisites:

1. New MCAT scores
2. 90 semester hours (or the equivalent number of quarter hours) at an accredited college or university. Most applicants have earned the bachelor's degree by the time they matriculate into medical school.
3. Minimum overall GPA of 2.5 on a 4.0 scale.* Grades for courses in other professional fields, physical training and vocational courses will not be considered in determining the overall grade point average.
4. Minimum overall GPA in preprofessional science courses of 2.5 on a 4.0 scale. Non-residents with less than a 3.0 overall GPA are not encouraged to apply.

*However, it should be noted that the average grade point for the previous three entering classes has been well above a 3.0 on a 4.0 scale. In any case, the burden of proof of academic qualification rests with the applicant.

Required Courses	Semester Hours
English	8
Biological Sciences	12
Chemistry (organic and inorganic)	16
Physics	8
Behavioral Sciences	8

(i.e., courses that appear on transcript as Psychology, Sociology)

It should be noted that the outlined required courses are minimum requirements and should be completed, or presently enrolled in, at the time of application.

Of the 12 semester hours of biological sciences,

as required by NTSU/TCOM, at least two of the following six advanced courses should be included:

- Comparative Anatomy (strongly recommended)
- Physiology (strongly recommended)
- Biochemistry (strongly recommended)
- Microbiology
- Genetics
- Embryology

These courses, particularly comparative anatomy and biochemistry, are suggested not so much for application purposes as for survival in the medical school curriculum.

Procedures

North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine is a participant in the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS). The applicant using AACOMAS must be applying for the first year of study leading to a D.O. degree. Students applying for transfer should request application information from the director of admissions at NTSU/TCOM.

AACOMAS application cards may be obtained from the Office of Admissions at NTSU/TCOM or from the applicant's pre-med advisor. The applicant completes the card, then mails the card to AACOMAS. Early application is advisable.

AACOMAS will send an application upon receiving the request card. This application must be returned to AACOMAS. The applicant must request an official transcript from each college or university attended to be forwarded to AACOMAS.

The applicant must request that his/her MCAT scores be sent to those schools where he/she is applying, using code number 600 (which is the designated number for all participating osteopathic colleges). AACOMAS will reproduce the application and standardize all transcripts prior to distribution to the osteopathic colleges so designated by the applicant. The applicant will be sent a copy of this standardized application, which he/she should check for errors.

If an applicant has changed his/her name, for any reason, and has transcripts under a different name, he/she must be sure to note this on the AACOMAS application.

The NTSU/TCOM Admissions Committee will review an application only after the applicant's folder is complete. The application folder must include a completed AACOMAS application, which is forwarded to the college at the request of the applicant, and the following materials, which must be sent directly to NTSU/TCOM:

1. Completed NTSU/TCOM Supplemental Application, including a recent photograph. (The Supplemental Application will be requested from those individuals who are considered worthy of further consideration upon review of the AACOMAS Application.)
2. \$25 non-refundable Supplemental Application fee, made payable to NTSU/TCOM.
3. Residence Status Form.
4. Evaluation and Interview Form from an osteopathic physician not related to applicant by blood or marriage, whom applicant chooses as a reference.
5. Official Pre-Medical Advisory Committee Evaluation or two letters, one from a biology professor and one from a chemistry professor who are familiar with the applicant's academic work.
6. Letter of recommendation from most recent employer. (Other letters of recommendation are optional.)

(Items 2-6 will be requested through the Supplemental Application.)

An applicant's acceptance is conditional until a completed official transcript is received by NTSU/TCOM from each school he/she has attended. All transcripts must be on file prior to matriculation. (If an accepted applicant is unable to meet this requirement, he/she must contact the director of admissions.)

Physical examination

A physical examination form will be sent to each accepted applicant for completion by his/her physi-

cian or, if the applicant chooses, the physical examination may be given by a physician at the NTSU/TCOM Central Clinic in Medical Education Building I. No fee, except for laboratory tests as needed, is charged by the college clinic.

NTSU/TCOM is in compliance with PL 504. The medical school does not discriminate on the basis of handicap in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The NTSU/TCOM director of personnel is the designated coordinator for college compliance of these regulations.

Tuition and fees

Tuition

In-state resident: \$300 per nine-month academic year; \$100 per summer semester; \$50 per summer session.

Out-of-state resident: \$900 per nine-month academic year; \$300 per summer semester; \$150 per summer session.

Foreign students: \$600 per nine-month academic year, \$200 per summer semester; \$100 per summer session; depending on individual circumstances and country of citizenship.

Room, board and expenses

Estimated at \$4,800 per nine months for single students, not including tuition and fees or books and supplies.

Fees

Student Activity Fee: \$60 per nine-month academic year; \$30 per summer semester; \$15 per summer session.

Building Use Fee: \$180 per nine-month academic year; \$45 per summer semester; \$22.50 per summer session.

Property Damage Fee: \$10 (one-time charge). Each student pays the deposit which is refundable by request upon final withdrawal or graduation. If not

claimed within four years after last enrollment date, the deposit is non-refundable.

Student Identification Card: \$1; \$5 additional charge for lost or replaced ID cards.

Laboratory Fee: \$25 per academic year for first- and second-year students; \$12.50 per summer session; \$8 for fall semester of third year.

Late Registration Fee: 1st day, \$5; 2nd day, \$7.50; 3rd day, \$10; 4th day, \$12.50; 5th day, \$15; 6th day, \$15.

Other charges:

Graduation Fees: \$30 (one-time charge) is levied at the beginning of the fourth academic year. (Arrangements for regalia, for which there is an additional fee, will be made through the college.)

Transcript Fee: \$2 per copy. (First NTSU/TCOM transcript is free.)

Photocopy Fee for Diploma: \$5 per copy.

Returned Check Service Charge: Any check returned to the college must be redeemed by the person writing the check, who is subject to a service charge of \$2.

Parking Fees: \$6 annually. (Subject to change.) Parking decal required.

Microscope Fee: \$50 per nine-month academic year (September 1-May 31) for first- and second-year students. Microscopes are used for laboratory instruction in the Departments of Anatomy, Microbiology and Pathology, according to procedures established by these departments.

Health Insurance: If a student does not provide evidence of other health insurance he/she must participate in the college student plan offered by Blue Cross/Blue Shield. Single student, \$86.10, payable semi-annually. Student and family, \$304.74 payable semi-annually. Coverage includes maternity benefits. Group policy rates are subject to change by Blue Cross/Blue Shield.

Special Examinations: Based upon charge of examining body or agency at the time of the examination.

Tuition, fees and other charges as listed are subject to change by legislative action, legal rulings by the State Attorney General or action of the Board of Regents.

Tuition refund policy

A tuition refund is based on the date of withdrawal. Withdrawal requests must be submitted to the registrar. Upon official notification of withdrawal by the registrar, the Business Office will mail the refund to the student's forwarding address in the files of the registrar. (See other withdrawal information elsewhere in this catalog.)

Laboratory fees, late fees, I.D. card fees and parking fees are not refundable.

By action of the Board of Regents, no part of the fees for tuition can be refunded to students who withdraw, for any cause, after the fourth week from the first day of class in the fall semester. The scale for refunds under the regulations is first week, 80 per cent; second week, 60 per cent; third week, 40 per cent; fourth week, 20 per cent.

For those students registered for summer sessions, an 80 per cent refund will be given the first week after registration. No refunds can be given after that time.

Texas residency

Requirements for establishing Texas residency

The rules and regulations for determining resident status are set forth by the Coordinating Board, Texas College and University System. Questions regarding these requirements should be referred to the director of admissions or registrar.

Non-resident students

Texas residents are given preference by State of Texas legislative mandate. Only a few, outstanding non-resident applicants will be considered for admission. Preference will be given to those applicants from the South and Southwest regions.

Foreign students

An alien living in the United States under a visa permitting permanent residence, or one who has filed with the proper federal authorities a declaration of intention to become a citizen, has the same privilege of qualifying for Texas residency status for tuition purposes as has a citizen of the United States.

For those foreign students applying to medical school for the first time since June 19, 1975: Foreign students registered in a medical school, who are citizens of a country in which tuition charges at a publicly funded medical school are equal to or less than \$800 per academic year of 12 months, shall be charged \$600 per nine-month academic year.

The Coordinating Board, Texas College and University System shall periodically certify to chief executive officers of institutions of higher education the names of countries whose citizens will qualify for the special tuition fee under the provisions of Vernon's Civil Statutes. (These rules and regulations for determining residency status are set by the Coordinating Board, Texas College and University System.)

Qualified minority students are actively recruited and encouraged to apply to NTSU/TCOM. Academic enrichment courses, special tutoring and counseling are available if needed. These students may apply for special support and financial aid.

Minority students

Students enrolled in other osteopathic and non-osteopathic medical colleges may request transfer to NTSU/TCOM. In general, approved transfers into the academic program will be limited in number and the primary entrance into NTSU/TCOM is through its regular admissions program.

Applications for transfer will be evaluated on an individual basis and exceptional circumstances will be given careful consideration. However, the following guidelines will apply:

Procedures for transfer

A. Preference will be given to students from American Osteopathic Association-approved colleges of osteopathic medicine. Approval for transfer of students from non-osteopathic medical schools is limited to individuals who demonstrate specific understanding of and dedication to the philosophy, principles and practice of osteopathic medicine.

B. Preference will be given to students of Texas residence and/or those who demonstrate an intention to practice in the State of Texas.

C. Review of individual applications will be restricted to those persons who are certified to be in good academic standing at the institution formerly attended.

D. Transfer must be made no later than the beginning of the third academic year at NTSU/TCOM. Applicants for transfer should have completed the pre-clinical portion of their programs and should have successfully completed at the time of transfer Part I of the examination administered by the National Board of Examiners for Osteopathic Physicians and Surgeons, Inc. Except under unusual circumstances, transfer should take place only at the beginning of an academic term. Students must complete a minimum of two academic years in residence at NTSU/TCOM.

An applicant for transfer must present a completed application for transfer and a written recommendation from the dean of the institution from which transfer is requested. Official academic transcripts from all previously attended colleges and universities must be provided. A personal interview is required.

Financial Aid

A number of sources are available to help students meet the costs of their medical education. Students requiring financial assistance should direct inquiries to the NTSU/TCOM Financial Aid Office. Students who are applying for financial aid through the Financial Aid Office must complete a needs analysis (the Graduate and Professional School Financial Aid Service), which will be mailed upon request.

In addition to the following programs, many states and state osteopathic associations have loans or scholarships available to their residents. New scholarships become available from time to time. For information, a student may contact the Financial Aid Office or the appropriate state agency.

Financial counseling

Counseling is available in the Financial Aid Office for any type of financial problem that a student might have. If the answer to a problem is not readily obtainable, every effort will be made to find the solution.

Scholarships

Auxiliary to American Osteopathic Association: The Auxiliary to the American Osteopathic Association has announced a total of 20 scholarships to be awarded nationally, on the basis of competitive financial need, scholarship, motivation and personality, to qualified applicants accepted for admission to osteopathic colleges. Eligibility is limited to entering students who have a grade point average of at least 2.75 on a 4.0 scale. Information and application forms may be obtained from the NTSU/TCOM Financial Aid Office. Application deadline is May 1.

Wayne O. Stockseth Scholarship: Two scholarships, one of \$1,500 and one of \$1,000, are awarded to junior students who were residents of Texas prior to matriculation at North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine and who plan a primary care practice in South Texas. Recipients must have demonstrated scholastic ability and financial need. For information and application contact Texas Osteopathic Medical Association.

Texas Osteopathic Medical Association Scholarships: TOMA awards a \$1,000 Phil R. Russell Scholarship and three \$750 Texas Osteopathic Medical Association Scholarships to entering students. Applicants may contact Tex Roberts, Executive Director, Texas Osteopathic Medical Association, 512 Bailey Avenue, Fort Worth, Texas 76107.

R. C. McCaughan Scholarships: A \$400 scholarship is granted annually to one student in each osteopathic college from the R. C. McCaughan Education Fund of the National Osteopathic Foundation. Selection, based on outstanding capabilities and strong motivation in osteopathic philosophy exhibited during the first year, is made at NTSU/TCOM by the dean upon recommendation from the college Scholarship Committee.

North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine Scholarship: A \$500 annual scholarship is given to one member of the third-year or one member of the fourth-year class of the college. Awards are based on scholarship, financial need and college activities.

H. E. Sharp Scholarship: \$500 annual scholarship is awarded to a member of the second-, third- or fourth-year class of the college. The recipient must be a native Texan with a strong academic background who plans to practice in Texas.

Sam and Marille Sparks Scholarship: A \$500 scholarship awarded to a junior or senior student in honor of Sam Sparks, D.O., and Marille Sparks, D.O., by East Town Osteopathic Hospital staff, the scholarship is administered by the college.

Ralph H. Peterson, D.O. Scholarship: A \$1,000 scholarship is awarded to an outstanding sophomore.

Susie B. Neel Scholarship: Scholarships of \$100 per month (up to \$1,000 per student) are awarded to seniors who plan to enter general or family practice in West Texas. Applicants must have academic and leadership abilities, as reported by supervisors in their clinical rotations.

Armed Forces Health Professions Scholarship Program: To qualify, a student must be enrolled in a class or accepted for the next entering class of a college of medicine, D.O. or M.D., in the United States or Canada, be a citizen of the United States, be of good moral character and be physically qualified for a commission. Selected participants will have all of their normal educational expenses (tuition, fees, books, etc.) defrayed by the government and also will receive approximately \$5,400 a year.

The student incurs a service obligation of one year of active commissioned service for each year of scholarship participation, or a minimum of three years. For further information concerning the Armed Forces Health Professions Scholarship Program, contact:

United States Army
Medical Recruiting Office
Federal Building, 1110 Commerce Street
Room 9C23
Dallas, Texas 75202

United States Navy
Medical Programs Officer
918 South Ervay
Dallas, Texas 75201

United States Air Force
350th USAF Recruiting Group
2621 Avenue E, East, Suite 217 MPR
Arlington, Texas 76011

National Health Service Corps Scholarships: A \$429 monthly stipend is provided for student living expenses, plus an additional amount for all other reasonable educational expenses, plus payment to the school of tuition and required fees. Recipients are obligated to serve one year in the fulltime clinical practice of their profession assigned to designated health manpower shortage areas for each year of scholarship support with a minimum of two years obligation. Contact:

NHSC Scholarship Program
Center Building, Rm. 5-44
3700 East-West Highway
Hyattsville, Maryland 20782
24-hour toll free phone: (800) 638-0824

Loan programs

Guaranteed Student Loan Program: Long-term loans up to \$5,000 per year at seven per cent interest with interest subsidy through the federal government, are made by banks, savings and loan associations and credit unions with the amount controlled

by the lending agency after recommendation by the school.

Hinson-Hazlewood Student Loan Program (Texas Opportunity Plan): Loans for \$5,000 per academic year with a total for academic career not exceeding \$15,000 are available. The interest rate is not more than seven per cent per year, with interest subsidy through the federal government.

State Rural Medical Education Board: The State Rural Medical Education Board will make loans to students who agree to practice in a rural area in the State of Texas and thereby have portions, or all, of their loans cancelled. The loans will be made for varying amounts and may be disbursed to the student in lump sum, by the semester or by the month. The promissory note is incorporated into a contract which the student must sign, agreeing to practice in a county of 25,000 population or less. Applications and a copy of the contract are available in the NTSU/TCOM Financial Aid Office.

National Direct Student Loan Program: Long-term loans are administered through the NTSU/TCOM Financial Aid Office, with a maximum of \$10,000 per academic career based on satisfactory progress and financial need. The interest of three per cent commences nine months after graduation and loans may be paid back over a 10-year period.

Health Professions Student Loan Program: Long-term loans with a maximum of \$2,500 plus tuition per academic year are available to students with exceptional financial need. The interest rate is seven per cent beginning one year after the student is no longer in school. The total annual amount and interest rate are effective October 1, 1977. Portions of these loans possibly can be paid by the federal government under a contract to practice in a physician-short area.

American Osteopathic Association Loan Fund (National Osteopathic Foundation): This loan program is partially administered by the college. Applicants will be considered by the NTSU/TCOM Scholarship Committee and referred with the committee's recommendation to the Student Loan Committee of the American Osteopathic Association. Financial

need is the most important single factor in determining eligibility for this loan. Loans are restricted to third- and fourth-year students. The maximum to any student is \$2,000.

Emergency Loan Fund: This short-term loan fund is administered by the Financial Aid Office for students enrolled in the college who need immediate help to meet any unanticipated expenses. Loans are interest-free for 60 days and are repayable at that time.

Veterans: Veterans whose benefits have expired are eligible for tuition and fee waivers under the Hazlewood Act. A Veterans Administration loan program also is available. Contact Veterans' Affairs in the Office of the Registrar.

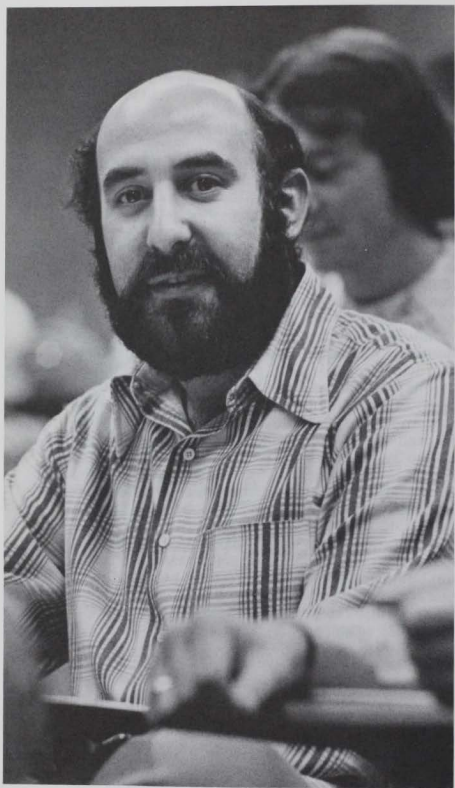
Emergency Relief Fund: The short-term loan program is funded by the Texas Osteopathic Medical Association for students in need of immediate help.

Students' Associate Auxiliary Loan Fund: This fund provides for loans of up to \$300 for short-term emergency situations and is available only to spouses of SAA members.

M. Vernon Morgan Student Loan Fund: Funded by Mr. and Mrs. W. J. Swaim and Miss Emma May, loans are awarded for a maximum of \$500 to students in extreme need.

Joe J. Rady Loan Fund: Loans for senior students with unexpected financial need are funded by Joe J. Rady.

Etta O. Newby Loan Fund: Residents of the State of Texas who are without adequate means but who are ambitious to equip themselves for professional pursuits qualify for loans from this fund. The amount is limited to \$1,000 per student per year and is payable after a student graduates.



SCHOLASTIC REGULATIONS

Student responsibilities

Registration

Records

Attendance

Grades

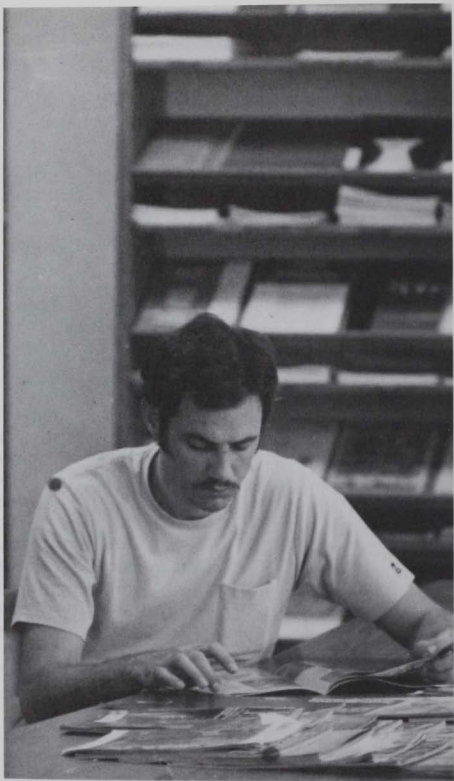
Academic standing

Withdrawal and dismissal

Final examinations

Requirements for graduation

Auditing



A student may meet the graduation requirements listed in the catalog in effect at the time of his/her initial enrollment provided these requirements are met no later than six years from the date of the catalog selected. This 1979-80 catalog will expire August 27, 1980. Interpretation or explanation contrary to the regulations published herein shall not be binding upon the college.

Each student enrolled in the college is individually responsible for knowledge of the current scholastic regulations, the general and specific requirements and the operational policies which apply to registration and instruction.

Registration is conducted annually at NTSU/TCOM for the first-, second- and third-year students during the last week in August. Fourth-year students register by mail during the month of August.

Registration consists of paying tuition and fees, completing registration forms for the Office of the Registrar, Financial Aid Office and Student Services Office and having a photograph made.

Late registration fees are assessed for each day following the designated date. A check that is returned because of insufficient funds will incur a late registration charge. A returned check fee also will be charged.

Transcripts

The term "academic transcript" refers to a copy of the official permanent record of a student's approved academic course work, including academic marks, scholarship and degrees. At the student's request, a class rank may be shown on the transcript. In order to obtain an official academic transcript, a signed and dated "release of information" form must be completed by the student and filed

Student responsibilities

Registration

Records

with the registrar. Any transcript provided directly to a student must be regarded as unofficial. In order to be regarded as an official academic record, the transcript must be mailed directly from the Office of the Registrar to the receiving institution.

A student may obtain a copy of his/her transcript by submitting a written request to the Office of the Registrar. The first copy of the NTSU/TCOM transcript is free. A \$2 fee is charged thereafter for each official transcript. A \$1 fee is charged for each copy of an undergraduate transcript in a student's file.

Acts of the 61st Texas Legislature, Chapter 675, 1969 Regular Session, provide legal penalties for any alteration of academic records or transcripts with the intent to use such a document fraudulently. A person who violates this act or who aids another in violating this act is guilty of a misdemeanor and upon conviction is punishable by a fine of not more than \$1,000 and/or confinement in the county jail for a period not to exceed one year.

Accessibility of student records

Pursuant to the Family Educational Rights and Privacy Act of 1974, also known as the "Buckley Amendment," the college will make the student's records available upon his/her written request, with the exception that confidential letters of evaluation and recommendation written prior to January 1975 may not be provided. Request forms for the release of student records are available in the Office of the Registrar.

Information and records for NTSU/TCOM students will not be released without written consent from the student. Grades and other academic evaluations will be made available to the dean of the college and other administrative personnel as the dean may direct in order to carry out administrative and academic responsibility of the college.

A Student Packet will be provided which contains privacy act forms and a list of academic offices where the appropriate records are kept.

NTSU/TCOM expects 100 per cent attendance of all students at all lectures, laboratories and clinical assignments. There are no excused absences. It is recognized that there may be isolated instances when an individual must be absent; however, the student/doctor who misses a class is not excused from the subject materials presented during the lecture or laboratory period.

No makeup laboratories will be conducted. In the rare event of absence from an examination, written permission to take a makeup examination must be obtained from the assistant dean of basic sciences or assistant dean of clinical affairs and the department chairman. It is essential that each student make every effort not to miss any examination.

As professional persons, students are expected to adhere to this attendance policy with diligence.

Attendance

Grade point average

The semester grade point average and cumulative grade point averages are calculated by dividing the total number of grade points earned by the total number of semester hours attempted. (See Remediated grades, page 36.)

A system of letter grades is used to indicate the quality of the academic work of each student as follows:

- A (Excellent), 4 grade points
- B (Good), 3 grade points
- C (Average), 2 grade points
- D (Inferior, but passing), 1 grade point
- F (Failure), 0 grade points
- I (Incomplete)
- W (Withdrawal)
- P (Passed by examination or prior service)

Incomplete grades

At the end of a semester, a grade of "I" (Incomplete) may be assigned, in exceptional circumstances, by the instructor. The work which was incomplete must be completed within one calendar year from the end of the semester in which the in-

Grades

complete grade was assigned. An incomplete grade becomes an "F" after one year if the work is not satisfactorily completed.

Semester grades

Grades for each course will be assigned at the end of a semester and reported to the registrar at the time specified in the college calendar. No course extends over two semesters and no grades may be carried from one semester to another.

Grades are mailed to a student at the end of each semester. The semester grade report includes grades for the present academic term as well as the cumulative grade point average earned throughout the academic program. Midterm grades are reported to the registrar and mailed to each student at the middle of each semester.

Grades will not be released over the telephone and will be kept in confidence.

Remediated grades

When a course is repeated, the original grade is slashed on the academic transcript and an asterisk is placed to indicate that the course has been repeated. Entries for the repeated course and the remediated grades are shown elsewhere on the transcript with "repeated" in parentheses beside the course title. When a course is repeated, the last grade recorded on the transcript will be regarded as the official grade and will be used for calculation of the grade point average.

Assignment of academic credit to clinical clerkships

Semester hours will be assigned to clinical clerkships so that the average academic credit awarded per term for clerkships is equivalent to the average academic credit given per term for classroom instruction.

Promotion

Advancement in the academic program is based upon satisfactory completion of all academic requirements and recommendation of the Student Academic Promotion Committee. Committee review of the reasons for academic deficiencies shall be mandatory for any student whose grade point average falls below a 2.0 or who receives one or more F grades for a semester. No student may be advanced to the next term until he/she has satisfied all legal and financial requirements of the college.

Promotion to the third year includes the requirement of satisfactory completion of Part I of the examination administered by the National Board of Examiners for Osteopathic Physicians and Surgeons, Inc.

Recommendation for graduation will not be made for any student whose cumulative grade point average falls below a 2.0 or who continues to have one or more unremediated F grades on his academic transcript.

Academic probation

Each student must meet the minimum standard of achievement, set by the college, at the end of each semester in order to remain in good academic standing. A student will be placed on academic probation if he/she has a semester or cumulative grade point average of less than 2.0 or if an "F" grade is received in any course. A student may also be placed on probation or continued on probation in subsequent semesters in which an "F" grade is not successfully remediated. Academic standing is reviewed by the Student Academic Promotion Committee at the end of each semester and academic probation or other actions may be recommended for students whose performance falls below the academic, ethical, professional and personal standards established by the college.

Academic probation should be regarded as a serious matter and is official notice to the student that the quality of his/her performance during the probationary period must improve in order to remain eligi-

Academic standing

ble to continue in the college. Any student who fails to improve his/her performance in the areas identified by the Student Academic Probation Committee during the probationary period may be continued on probation or may be asked to withdraw from the college.

Advanced placement

A student may be considered for advanced placement or waiver in a particular course if he/she has completed comparable academic work and/or has successfully completed a waiver examination administered by the instructor of the course. Any student requesting advanced placement or waiver in a course by examination should direct his/her request to the appropriate department chairman and instructor in the college.

These requests for advanced placement should be considered first at the instructor and department level and should be forwarded with departmental recommendations to the associate dean for medical education. Such requests, accompanied by the recommendations of the department, will be reviewed in the Office of the Associate Dean for Medical Education and must be approved by the dean of the college, or his designate, before they are considered official. Any student who has submitted such a request must attend all regularly scheduled classes and laboratory sessions and complete all examinations in the class until advanced standing or waiver is confirmed by the course instructor and the dean.

It should be understood that primary responsibility for evaluation of requests for advanced placement or waiver rests with the academic department concerned. The recommendation of the department chairman will be significant; however, final approval of these requests must be received from the Office of the Dean prior to implementation.

Copies of requests for advanced placement or waiver and correspondence related to these requests should be provided to the registrar.

The decision regarding a request for advanced standing will be confirmed in writing to the student by the dean, who will instruct the registrar, if ad-

vanced standing is granted, to record on the student's transcript the letter "P" to indicate that a course has been passed by examination or prior service. Courses to which the letter "P" are assigned will not contribute to a student's grade point average.

Academic honors

Academic honors are awarded to those students who demonstrate academic excellence throughout the program at NTSU/TCOM. A degree candidate will be graduated summa cum laude if his/her cumulative grade point average for the four years is 3.9 to 4.0; magna cum laude, 3.81 to 3.89; and cum laude, 3.50 to 3.80. All academic honors are announced at graduation and are recorded on the student's permanent record.

Withdrawal

Application for voluntary withdrawal from the college must be made in writing to the dean of the college. Except in rare and special circumstances, the application will be accompanied by a personal interview. Every effort should be made to assure that no misunderstandings or errors occur in the withdrawal process.

In addition, students must report to the Registrar's Office to sign a withdrawal form before they can officially withdraw from the college. Students who do not complete this application for voluntary withdrawal will not be entitled to an honorable withdrawal, and consequently will not be considered for readmission at a later date.

Readmission following the above withdrawal procedure is not assured unless it is a part of the final decision and/or agreement made by the dean and the withdrawing student. This final decision and/or agreement must be in writing so that it is clear to all parties involved.

Withdrawal and dismissal

Dismissal

Students may be dismissed by the college for failure to (1) show satisfactory scholastic progress or potential and/or (2) exhibit integrity, honesty, moral character and/or professional potential expected of an osteopathic student. It should be clearly understood that the college, after due consideration and process, reserves the right to require the withdrawal of any student at any time prior to graduation if circumstances of a legal, moral, ethical, health or academic nature justify such an action.

Final examinations

No student may be exempt from taking final examinations. In addition, no final examination may be given early or late, except in the case of unusual circumstances acceptable to the instructor and the dean of the college. Each case of this type will be considered on its individual merits.

Requirements for graduation

A student who has satisfactorily completed all academic requirements and who has been recommended by the faculty of NTSU/TCOM may be awarded the degree doctor of osteopathy (D.O.), provided he/she is of good moral character and that he/she:

1. has maintained at least a 2.0 grade point average, has no unremediated "F" grades and no grades of "I";
2. is at least 21 years of age;
3. has been in residence for four academic years at an accredited college of osteopathic medicine or college of medicine, the last two years of which must have been at NTSU/TCOM;
4. has satisfactorily completed Part I and Part II of the examination administered by the National Board of Examiners for Osteopathic Physicians and Surgeons, Inc. Individuals scoring unsatisfactorily on Part I or Part II will be reviewed by the Student Academic Promotion Committee;
5. has complied with all legal and financial requirements of the college;

6. has exhibited the ethical, professional and personal characteristics necessary for the practice of osteopathic medicine;
7. attends the commencement at which the degree is to be awarded (Only in unusual circumstances, and with approval of the dean, will a degree be awarded in absentia.);
8. has completed a Clearance Check Form from the Office of the Registrar. This form, which must be returned to the registrar prior to graduation, is placed with the student's permanent record and serves as his/her final clearance from campus.

Students at NTSU/TCOM may audit a class if they have obtained permission from the dean of the college and have paid all tuition and fees. These students will be expected to meet all classes and take examinations unless prior arrangements have been made with the course instructor. No grades will be given for classes audited, but these courses will be shown on the academic transcript.

Auditing



CURRICULUM

Curriculum description
Program of instruction
Curriculum development
Curriculum
Course of study



The curriculum at North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine is a four-year program leading to the doctor of osteopathy degree.

Semesters 1 and 2 of the first year are devoted primarily to instruction in the pre-clinical sciences. However, during the same period, an introduction is made to the clinical sciences through the Departments of General and Family Practice, Psychiatry and Osteopathic Philosophy, Principles and Practice.

The following three terms, Semester 3-5, are periods of study increasingly devoted to didactic instruction in the clinical sciences in preparation for the clinical clerkship rotations and preceptorships which follow.

The final 18 months of the curriculum are devoted to clinical clerkship rotations, preceptorship assignments and further studies in both pre-clinical and clinical sciences. During Semester 6 and Semester 7 each student rotates through a series of preceptorships, clinic and hospital clerkships for a 13-month period. These rotations, units of four weeks each, are scheduled primarily in physicians' offices, college clinics and teaching hospitals of the college located in or near the Fort Worth/Dallas area.

Semester 8 consists of a mix of clinical and classroom activities which will round out each student's preparation for graduation. During this final semester each student will attend a specially designed program of short courses and clinical seminars which are held on campus. Topics addressed in these short courses and seminars are selected for each class according to the educational needs of each group of students as determined in the months just prior to graduation.

Curriculum description

The instructional program of NTSU/TCOM utilizes a variety of teaching methods and settings in order to prepare each student adequately in the diverse areas of osteopathic medical knowledge and clinical skills which comprise the curriculum.

Program of instruction

While much of the instruction in the first five semesters takes place in the familiar classroom setting, there is an increasing effort to augment classroom lectures with other teaching methods. Numerous opportunities are provided for laboratory instruction in the pre-clinical sciences. Techniques being developed in the clinical sciences involve the use of audiovisual material, computer-assisted instruction and simulated clinical experiences.

Students are placed in clinics, hospitals and physicians' offices early in the curriculum so that the transition from classroom to clinical setting is a progression rather than an abrupt transition. By the final three semesters of the curriculum, these clinical settings dominate the instructional program.

Curriculum development

The faculty, administration and staff at NTSU/TCOM are dedicated to the principles of academic excellence and constantly strive to improve the quality of the academic program. There is a continuing effort to refine the educational goals of the curriculum and to develop courses, teaching methods and evaluation procedures which best achieve these goals.

Year 1—Semester 1

Gross Anatomy
 Biochemical Principles and Metabolism
 Embryology
 Histology
 Medical Psychology
 Introduction to Osteopathic Philosophy and Principles
 Introduction to Osteopathic Medicine

Year 1—Semester 2

Gross Anatomy
 Clinical Biochemistry
 Genetics
 Agents of Infectious Disease
 Basic and Clinical Immunology
 Neurobiology
 Fundamentals of Osteopathic Medicine
 Medical Physiology
 Medical Psychology
 Physical Examination

Year 2—Semester 3

Medical Microbiology
 Expanding Concepts of Osteopathic Medicine with Applications
 Basic Pathology
 Introduction to Pharmacology
 Physical Diagnosis
 Medical Physiology
 Principles of Psychiatry I
 Principles of Radiology
 Forensic Pathology

Year 2—Semester 4

Medicine/Introduction to Surgery
 Expanding Concepts of Osteopathic Medicine with Applications

Systemic Pathology Curriculum*

Normal Obstetrics
 General Practice Preceptorship/Clinical Selectives
 General Pharmacology
 Principles of Radiology
 Rehabilitation/Sports Medicine
 Principles of Psychiatry
 Public Health

Year 3—Semester 5

Abnormal Obstetrics and Gynecology
 Ophthalmology
 Anesthesiology
 Medicine/General Surgery
 Clinical Neurosciences
 Otorhinolaryngology
 Pediatrics
 Osteopathic Philosophy and Principles in Practice
 Medical Jurisprudence
 Dermatology

Year 3—Semester 6 and Year 4—Semester 7 Clerkships

Clinics
 Medicine
 Surgery
 Pulmonary Medicine
 General Practice Preceptorship
 General Practice Junior Partnership
 Pediatrics
 Obstetrics and Gynecology
 Mental Health
 Elective

Year 4—Semester 8

Electives
 Eighth Semester Program

*As of March 1, 1979

Course of study

One semester hour equals either 1 lecture hour or 2-3 laboratory hours per week.

Following each course description, the first number in parentheses indicates the number of lecture hours per week, the second number indicates the number of laboratory hours per week.

A course which is approved for 1 semester hour is scheduled for either 1 lecture hour per week or 2-3 laboratory hours per week. Determination of the appropriate credit hour distribution for each course is made by the Curriculum Committee after consideration of the credit hour distribution recommended by the course instructor and the department.

The three digits of a course number assist in identifying the type of course, course series and semester taught. A first number 5 refers to courses in the basic sciences division; 6 indicates clinical sciences, including pathology; 7 is a required clinical clerkship rotation; 8, an elective clerkship rotation; and 9, a special course. The second digit indicates course series. If a course is divided into two semesters, the second digit will be the same for each course. (For example, Gross Anatomy 511 and 512.). The third digit indicates the semester the course is taught, beginning with 1 for the first semester of the first year to 8 for the second semester of the fourth year.

Several of the courses listed are taught cooperatively by faculty from several departments. Interdepartmental teaching is encouraged in all phases of the curriculum where appropriate.

Department of Anatomy

Schunder, chairman; Aschenbrenner, Carnes, Croley, Rudick and Wordinger.

511. Gross Anatomy. Dissection and detailed study of the gross morphological features of the human body are covered in laboratory sessions. Lectures follow the regions dissected in laboratory with emphasis on clinically important aspects of anatomy, embryology, structural relations and general morphology of the systems. Areas covered are the back, upper extremities, head and neck and thorax. 6 semester hours, first year, semester 1 (3-9).

512. Gross Anatomy. Course description same as Anatomy 511. Areas covered are abdomen, pelvis, perineum, and lower extremities. 4 semester hours, first year, semester 2 (2-6).

521. Histology. Principles of cellular and molecular biology, and a histological study of cells, tissues and organs of the human body. 5 semester hours, first year, semester 1 (3-5).

532. Neurobiology. Neuroanatomy and neurophysi-

ology, gross and fine structural study of the central and peripheral nervous system. Dissection of whole human brains. Coordinated lecture and laboratory program stressing normal structure and physiology of nervous system. Clinical case presentations are used to supplement classroom instruction. 4 semester hours, first year, semester 2 (2-3).

541. Embryology. Principles of development of the human embryo. Emphasis is on the development of organs and organ systems. 2 semester hours, first year, semester 1 (2-0).

552. Genetics. Principles of genetics of human disease with special emphasis on genetic counseling, chromosomal abnormalities, Mendelian genetics and polygenic disorders. 1 semester hour first year, semester 2 (1-0).

900. Directed Studies in Anatomy. Individually arranged program of special studies in anatomy.

Department of Anesthesiology

P. Stern, chairman; Gallehugh, Kahn, Kebabjian, Kelso, Leech and S. Stern.

615. Principles of Anesthesiology. The scientific basis and fundamentals of anesthesiologic practice are presented by lecture, demonstration and the use of audiovisual materials. The course goals are to equip the student with sufficient information to analyze the patient's physiologic and pathologic status and to anticipate the likely effects of anesthesia

on the patient. 1 semester hour, third year, semester 5 (1-0).

812. Clinical Clerkship in Anesthesiology. An elective four-week rotation in anesthesiology at an affiliated hospital.

900. Directed Studies in Anesthesiology. Individually arranged program of special studies in anesthesiology.

Department of Biochemistry

Gracy, chairman; B. Harris, Norton, C. Skinner, Lacko, Tai, Jacobson, Kaman, Masaracchia, Thompson and Kester.

511. Biochemical Principles and Metabolism. An introduction to the chemical structures of biological molecules and survey of intermediary metabolism. 5 semester hours, first year, semester 1 (5-0).

512. Clinical Biochemistry. A study of the biochemistry involved in the laboratory diagnosis of disease. Includes

laboratory testing of normal and pathological specimens and correlative study of the clinical expression of biochemical disorders. 4 semester hours, first year, semester 2 (3-3).

900. Directed Studies in Biochemistry. Individually arranged program of special studies in biochemistry.

Department of Dermatology

Chairman to be appointed.

615. Dermatology. Diagnosis and treatment of diseases of the skin. 1 semester hour, third year, semester 5 (1-0).

813. Clinical Clerkship in Dermatology. An elective four-

week rotation in dermatology.

900. Directed Studies in Dermatology. Individually arranged program of special studies in dermatology.

Department of General and Family Practice

Bunnell, chairman; Baldwin, R. Brown, Falbey, Gamber, Gramer, Peterson, Urban, Walton, C. Jenkins, Taylor, Williams, Everett, Sharp, Saperstein, Young, D. Beyer, Coleman, A. Faigin, N. Faigin, F. Giles, W. Giles, Kratz, Linton, J. McLaughlin, Nobles, Pressly, Smith, Truman, Alderman, Cuniff, Earp, Hames.

611. Introduction to Osteopathic Medicine. Designed to introduce the first-year student to concepts of health, nutrition and the life cycle as well as to improve his/her communication skills. Introduces common and emergency clinical conditions which a student must be able to deal with on an urgent basis. 2 semester hours, first year, semester 1 (2-0).

622. Physical Examination. Combined lecture, discussions and small group practi-

cal experience designed to teach the student the skills necessary to perform a physical examination. EENT, cardiovascular, thoracic, abdominal, neurological, musculoskeletal, mental, male and female genital exams on mannequins, simulated patients or fellow students. Normal findings are stressed. Course also includes an introduction to medical history. 2 semester hours, first year, semester 2 (1-2).

634. General Practice Preceptorship. An eight-week preceptorship during the second year in which the student spends one afternoon a week in the office of an area general practitioner. The student practices physical examination skills and observes models of osteopathic practice. 1 semester hour, second year, semester 4 (0-4).

644. Clinical Selectives. A program offered during the half of the second semester of the second year during which the student is not assigned to a preceptorship. Designed to allow students to learn the function and contribution of other disciplines; experience consists of observation in paramedical and ancillary health services in the community. 1 semester hour, second year, semester 4 (0-4).

701-703. Clinical Clerkship in Ambulatory Care. A required 12-week rotation in the third or fourth year. Provides the student clinical experience in family practice. Each student is assigned to a departmental outpatient clinic, where he/she experiences the problems of family care and continuity of care and also is introduced to patterns of patient referral and community aspects of health care.

708. General Practice Junior Partnership. A required four-week rotation in ambulatory care.

801-803. Clinical Clerkship in Ambulatory Care. An elective 12-week rotation in the third or fourth year. Provides the student clinical experience in family practice. Each student is assigned to a departmental outpatient clinic, where he/she experiences the problems of family care and continuity of care and also is introduced to patterns of patient referral and community aspects of health care.

808. General Practice Junior Partnership. An elective four-week rotation in ambulatory care.

900. Directed Studies in General and Family Practice. Individually arranged program of special studies in general and family practice.



Department of Medical Humanities

Ogilvie, chairman; Korr, Ferré, Gabert, Leeper and Priddy.

The Department of Medical Humanities especially addresses itself to an emphasis on the disciplines of philosophy, history, sociology, ethics, law, religion and literature as they relate to the healing art and to societal and cultural factors in health and disease.

Although a few didactic courses are formally taught, it is not necessarily the department's aim to incorporate separate courses on human values into the curriculum. Rather, its purpose is to introduce to students different viewpoints on medical culture, human values, and their interrelationships, through courses already being taught by other departments.

Opportunity is provided for students to do self-directed, humanities-related study projects, with approval through special consultation with the chairman of the Department of Medical Humanities.

611. History of Medicine.

The distinctiveness of osteopathic medicine lies in a commitment to a special point of view regarding the well-being of man. This course provides a general historical and philosophical orientation for a better appreciation of the osteopathic movement. Starting from primitive medicine, it traces the progress of the healing arts to modern times.

615. Medical Jurisprudence.

Legal aspects of medical

practice including medical-legal reports, requirements for court testimony, medical malpractice and organization of a medical practice. 2 semester hours, third year, semester 5 (2-0).

818. Clinical Clerkship in Medical Humanities. An elective four-week rotation in medical humanities.

900. Directed Studies in Medical Humanities. Individually arranged program of special studies in medical humanities.

Department of Medicine

Olson, chairman; Cohen, Osborn, Beckwith, Bode, Cordas, Flaggman, Godell, E. Johnson and Dziamba.

613. Physical Diagnosis. A performance course which includes the gathering of histories, physical examinations and patient profiles under careful audit by faculty clinicians. Problem areas in the data gathering process are scrutinized and skills laboratories are provided to correct apparent deficits. The more common problems (signs or symptoms) presented by patients are reviewed. Attention is given to the development of a logical method of gathering data on the patients who present these problems. 2 se-

mester hours, second year, semester 3 (2-0).

624. Medicine. Adult health and disease are presented in an orderly anatomic and physiologic organ system sequence. Content is integrated around an organ system framework. An introductory segment provides exposure to methodology and to those items of content which do not belong to any organ system in particular. Thereafter, organ system blocks are presented throughout the two-semester course, with endocrinology and hematology.



ogy offered in the first half. Taught in conjunction with the Department of Surgery. 6 semester hours, second year, semester 4 (6-0).

625. Medicine. Continuation of Medicine 624. The second half of the course includes gastroenterology, cardioangi-ology, pulmonology, neurology, urology-nephrology, orthopedic/rheumatology and medical psychology. Taught in conjunction with the Department of Surgery. 6 semester hours, third year, semester 5 (6-0).

704-705. Clinical Clerkship in Medicine. A required eight-week rotation in medicine.

706. Clinical Clerkship in Pulmonary Medicine. A required four-week rotation in pulmonary medicine, including environmental, oncologic and bacterial medicine.

804-805. Clinical Clerkship in Medicine. An elective eight-week rotation in medicine.

806. Clinical Clerkship in Pulmonary Medicine. An elective four-week rotation in pulmonary medicine, including environmental, oncologic and bacterial medicine.

900. Directed Studies in Medicine. Individually arranged program of special studies in medicine.

Department of Microbiology and Immunology

E. Harris, chairman; Reeves, Allen, Funderburk, Keyser, Measel, W. Bradshaw and Reifel.

512. Agents of Infectious Disease. A short course which presents the fundamentals of microbiology and surveys the characteristics of the microbial and animal parasites of man. Advanced students may elect special assignments from a variety of projects, such as case histories, clinical laboratory experiments, literature review,

etc. 1 semester hour, first year, semester 2 (1-0).

522. Basic and Clinical Immunology. Natural defenses, normal immune responses, hypersensitivities, and immunological diseases are presented with emphasis on principles. Clinical applications of immunology are stressed in the presentation of lectures, laboratory exer-

cises, case histories and student reports. These concern diagnostics, immunohematology, immunization, autoimmune disease, allergies, transplantation and cancer immunology and other clinical topics. 3 semester hours, first year, semester 2 (2-2).

533. Medical Microbiology. A study of the organisms and the diseases caused by viruses, bacteria, fungi, rickettsia and animal parasites are presented by physiological systems with emphasis on pathogenesis, diagnosis and treatment. Special topics include medical entomology, epidemiology, nosocomial infections, chemotherapy and immunization. Lectures, laboratories, simulated patient case presentations and student reports are utilized. 7 se-

mester hours, second year, semester 3 (5-4).

544. Public Health. Public health aspects and control of selected infectious diseases, particularly venereal diseases, tuberculosis and leprosy. Consideration also is given to public health administration, community health and the prevention of chronic disease and disability, principles of epidemiology and biostatistics, environmental sanitation, air and noise pollution, as well as immunization practices for diseases of public health significance. 1 semester hour, second year, semester 4 (1-0).

900. Directed Studies in Microbiology and Immunology. Individually arranged program of special studies in microbiology and immunology.

Department of Obstetrics and Gynecology

Walker, chairman; Rochowiak, V. Powell, N. Ellis, Fischer and Matthews.

614. Normal Obstetrics. The terminology, basic physiology, normal delivery and puerperium of normal pregnancy. 1 semester hour, second year, semester 4 (1-0).

615. Abnormal Obstetrics and Gynecology. The pathology of pregnancy, labor and puerperium. The theory, diagnosis and management of gynecological disorders, in-

flammatory diseases, malpositions, congenital defects, oncology and traumas are presented. 3 semester hours, third year, semester 5 (3-0).

710. Clinical Clerkship in Obstetrics and Gynecology. A required four-week rotation in obstetrics and gynecology.

810. Clinical Clerkship in Obstetrics and Gynecology. An elective four-week rotation in obstetrics and gynecology.

900. Directed Studies in Obstetrics and Gynecology. Individually arranged program of special studies in obstetrics and gynecology.

Department of Ophthalmology

H. Ranelle, chairman; Scadron, Van De Grift, Becka and B. Ranelle.

615. Ophthalmology. Includes classroom lectures and senior clinical rotation. Basic course is designed to give medical students an understanding of ocular anatomy and physiology and their relationship to common ocular disorders. Examination techniques, diagnosis and treatment methods important to family physicians are emphasized. An overview of oph-

thalmology is given. 1 semester hour, third year, semester 5 (1-0).

814. Clinical Clerkship in Ophthalmology. An elective four-week rotation in ophthalmology.

900. Directed Studies in Ophthalmology. Individually arranged program of special studies in ophthalmology.

Department of Osteopathic Philosophy, Principles and Practice

Harakal, chairman; Coy, Korr, Gramer, Becker, R. Beyer, W. Ellis, Galewaler, Luibel, Pruzzo, Royder, Tyska and Carlton.

611. Introduction to Osteopathic Philosophy and Principles. Introduction to the basic philosophy and principles of osteopathic health care. Emphasis is on palpatory diagnostic skills and examination for somatic dysfunction. Practical training is given in a systematic biomechanical examination of the human body. 2 semester hours, first year, semester 1 (1-2).

612. Fundamentals of Osteopathic Medicine. A continuation of 101. Evaluation of the functional status of the body. Initiation of the application of the principles of manipulative treatment of somatic dysfunction based on individual findings of biomechanical examination and diagnosis. 2 semester hours, first year, semester 2 (1-2).

613. Expanding Concepts of Osteopathic Medicine with Applications. Lectures, patient care presentations and study of the clinical use of osteopathic diagnosis and treatment of somatic dysfunction. Pertinent manipula-

tive techniques are demonstrated and practiced. Introduction to diagnosis and treatment of somatic dysfunction of the extremities. 2 semester hours, second year, semester 3 (1-2).

614. Expanding Concepts of Osteopathic Medicine with Applications. Procedures related to the axial skeleton, rib cage and pelvis, with an introduction to the craniosacral mechanism. 2 semester hours, second year, semester 4 (1-2).

615. Osteopathic Philosophy and Principles in Practice. Review of palpatory diagnosis and various manipulative methods is conducted by faculty physicians and guest clinicians. An opportunity to improve proficiency of selected procedures. 2 semester hours, third year, semester 5 (0-2).

819. Clinical Clerkship in Osteopathic Philosophy, Principles and Practice. An elective, four-week rotation for self-directed study in osteopathic philosophy, principles and practice.

900. Directed Studies. A two-year postdoctoral teaching fellowship program certified by the Advisory Board of Osteopathic Specialists and leading to certification by the Academy of Applied Osteopathy. Fellows are appointed as instructors and are responsible for class-

room teaching as well as consultation in the clinics of the college and in area osteopathic hospitals. This program is a comprehensive rehabilitative approach to osteopathic medicine utilizing traditional and contemporary methods of osteopathic care.

Department of Otorhinolaryngology

Becka, acting chairman; Brooks and Van De Grift.

615. Principles of Otorhinolaryngology. Clinical diagnosis and therapy of disorders of the ear, nose, paranasal sinuses and throat. Bronchoesophagology, respiratory allergy and diagnosis of head and neck neoplasms. Principles of examination and the use of diagnostic instruments and screening audiometers. Weekly audiovisual presentations include exposure to a wide field of subjects in otology, rhinology and laryngology. 2 semester hours, third year, semester 5 (2-0).

815. Clinical Clerkship in Otorhinolaryngology. An elective four-week rotation in otorhinolaryngology.

900. Directed Studies in Otorhinolaryngology. Individually arranged program of special studies in otorhinolaryngology.

Department of Pathology

O'Shea, chairman; Gwozdz, Starkey, Lowery, Wimbish, McDaniel and M. Skinner.

613. Basic Pathology. The general mechanisms and pathogenesis of disease. Degenerations, inflammation, infectious disease, neoplasia, chemical and physical injuries. Gross specimens and tissue microscopy. 5 semester hours, second year, semester 3 (4-2).

614. Systemic Pathology. Principles of pathology applied to the study of disease of organ systems. 5 semester hours, second year, semester 4 (4-2).

623-624. Forensic Pathology.

Correlation of case histories with postmortem findings, follow-up microscopic examination and techniques of reporting. The purpose is to correlate antemortem clinical findings and the course of disease with postmortem findings. 1 semester hour, second year, semester 4 (0-2).

820. Clinical Clerkship in Pathology. An elective four-week rotation in pathology.

900. Directed Studies in Pathology. Individually arranged program of special studies in pathology.

Department of Pediatrics

Kline, chairman; V. Ellis, Gilfillan, Neal, Hochberger, Tierney, Clark, Philben, Helfrey and Ostrom.

Neonatology section: Marshall.

615. Pediatrics. Holistic approach to the infant, child and adolescent, including development and care as part of

the overall approach to health. Perinatology, neonatology, growth and development, pediatric physical diag-

nosis, dermatology, infectious disease, pediatric orthopedics, hematology, allergy and immunology, emergency medicine in pediatrics, poisonings, gastrointestinal disorders and pediatric cardiology. 4 semester hours, third year, semester 5 (4-0).

709. Clinical Clerkship in Pediatrics. A required four-week

rotation in pediatrics, general and special pediatrics, including I.C.U. and I.C.U. nurseries.

809. Clinical Clerkship in Pediatrics. An elective four-week rotation in pediatrics.

900. Directed Studies in Pediatrics. Individually arranged program of special studies in pediatrics.

Department of Pharmacology

Cantrell, chairman; Elko, Lyle, Emmett-Oglesby, Jones, Wimbish and Yorio.

513. Introduction to Pharmacology. The fundamental principles of pharmacology, including pharmacodynamics, toxicology, posology, drug interaction and the molecular basis of drug action. Selected drug classes will be discussed in terms of principal actions, side effects, adverse effects, contraindications and clinical applications. 4 semester hours, sec-

ond year, semester 3 (2-2).

514. General Pharmacology. Drug classes discussed with emphasis on chemotherapy within the scope of the principles of pharmacology. 3 semester hours, second year, semester 4 (2-2).

900. Directed Studies in Pharmacology. Individually arranged program of special studies in pharmacology.

Department of Physiology

Gaugl, chairman; Redden, Patton, Raven, Barker, Caffrey, Sal-lee, Schafer and Sinclair.

512. Medical Physiology. A study of the functions of the organ systems, with emphasis placed on the homeostatic control mechanisms. Major systems covered are the muscular, cardiovascular and renal. Discussion sessions, laboratory exercises and clinical guest lectures are utilized. 4 semester hours, first year, semester 2 (3-3).

513. Medical Physiology. Course description similar to 512. Major systems covered are the respiratory, gastrointestinal and endocrine. 4 semester hours, second year, semester 3 (3-3).

900. Directed Studies in Physiology. Individually arranged program of special studies in physiology.

Department of Psychiatry

Conn, chairman; Schussler, C. Bradshaw, Stroo, Cox, B. McLaughlin and Yentis.

Psychology section: Whittle, Dennis.

611. Medical Psychology. Fundamentals of the therapeutic relationship between the medical student, physician, patient and the diagnostic process. The ability of the student to develop a personal relationship with patients through interview and

history taking is stressed. Actual videotapes of patient interviews by a physician are reviewed and criticized by the faculty and students. Roles assumed by the students, physician and patient in providing medical care are studied in some depth. The

osteopathic concept of treatment of the whole patient, including functional complaints, personality differences, patient's anxieties or fears and problems of living, are emphasized. 1 semester hour, first year, semester 1 (1-0).

612. Medical Psychology.

The focus of this course falls upon the development of man from a helpless infant into a specific individual with relations to himself, to others and to events which influence his physical makeup, his physiologic responses and his state of health. Again, stress is placed upon the concept of osteopathic medicine that the total patient, not the disease, assumes the central position in therapy. 1 semester hour, first year, semester 2 (1-0).

623. Principles of Psychiatry

I. Historical overview of psychiatry; emphasis on holistic medicine. A variety of psychopathological and psychiatric disorders is considered; adaptation and personality

functioning. Symptom formation, diagnosis, therapeutic modalities. 2 semester hours, second year, semester 3 (2-0).

624. Principles of Psychiatry II and Principles of Child and Adolescent Psychiatry.

Preparation for the practice of medicine that will facilitate the treatment of psychological problems accompanying physical illness. Informed use of psychotropic drugs, psychotherapy, community psychiatry, the psychiatric referral. Aspects of human sexuality. 2 semester hours, second year, semester 4 (2-0).

711. Clinical Clerkship in Psychiatry.

A required four-week rotation in mental health.

811. Clinical Clerkship in Psychiatry.

An elective four-week rotation in mental health.

900. Directed Studies in Psychiatry.

Individually arranged program of special studies in psychiatry.

Department of Radiology

Kemplin, chairman; Ogilvie, Wilkins, Maughan, Bascone, Dott, Lichwa, Lively, McCorkle, Beck, Bradley, Nelson, Pearson, Briney, Fannin and Tilma.

613. Principles of Radiology.

The study of the basic principles of the diagnostic use of X-ray radiation, with emphasis on correlation of anatomy, physiology and pathology. 1 semester hour, second year, semester 3 (1-0).

614. Principles of Radiology.

Continuation of 613 with additional similar study of the

uses of radioactive nuclides, ultrasound and radiation therapy. 1 semester hour, second year, semester 4 (1-0).

816. Clinical Clerkship in Radiology. An elective, four-week rotation in radiology.

900. Directed Studies in Radiology. Individually arranged program of special studies in radiology.

Department of Rehabilitation/Sports Medicine

English, chairman; Kauzlarich and E. Brown.

614. Rehabilitation/Sports Medicine.

An attempt will be made to help students develop empathy for disabled persons and enthusiasm for rehabilitative processes. Students will be exposed to patients with primary and secondary disabilities. Emphasis will be placed on the need for special rehabilitative procedures to help the patient function at maximum effi-

ciency and to help him realize his/her maximum potential. The course will include exposure to the comprehensive team approach to physical, social, psychological and vocational methods of rehabilitation. Students will be shown clinical procedures which are essential for skillful applications of rehabilitative principles in the general practice of osteopathic medi-

cine. Principles and techniques of sports medicine also will be included with exposure to adequate physical fitness programming and practical application of strapping techniques. Use of proper modalities for treatment and prevention of athletic injuries also will be demonstrated. 3 semester hours, second year, semester 4 (3-0).

817. Clinical Clerkship in Rehabilitation/Sports Medicine. An elective four-week rotation in rehabilitation/sports medicine.

900. Directed Studies in Rehabilitation/Sports Medicine. Individually arranged program of special studies in rehabilitation/sports medicine.

Department of Surgery

Jenkins, chairman; Willard, Alter, Bilyea, Marshio, Biggs, Pease, Stewart, Calabria, Fisher, McGrath, Turner, D. Beyer, Glickfeld, Hudson and Weldon.

614. Introduction to Surgery. Adult health and disease are presented in an orderly anatomic and physiologic organ system sequence. Content is integrated around an organ system framework. An introductory segment provides exposure to methodology and to those items of content which do not belong to any organ system in particular. Thereafter, organ system blocks are presented throughout the two-semester course, with endocrinology and hematology offered in the first half. Taught in conjunction with the Department

of Medicine. 6 semester hours, second year, semester 4 (6-0).

615. General Surgery. Continuation of Surgery 614. The second half of the course includes gastroenterology, cardioangiology, pulmonology, neurology, urology-nephrology, orthopedic/rheumatology and medical psychology. Taught in conjunction with the Department of Medicine. 6 semester hours, third year, semester 5 (6-0).

625. Clinical Neurosciences. Encompasses clinical neurology and clinical neuro-

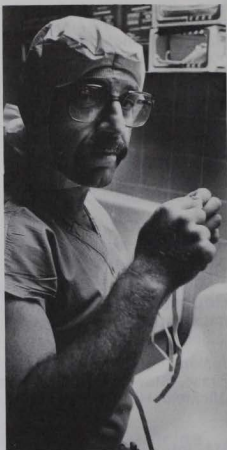
surgery, covering both subjects from the standpoints of diagnosis and treatment. The subject is treated as one entity so that neurological function, disease and treatment can be approached as a comprehensive unit. 2 semester hours, third year, semester 5 (2-0).

707. Clinical Clerkship in Surgery. A required four-week rotation in surgery.

807. Clinical Clerkship in Surgery. An elective four-week rotation in surgery.

821. Clinical Clerkship in Neurosciences. An elective four-week rotation in neurosciences.

900. Directed Studies in Surgery. Individually arranged program of special studies in surgery.



Interdepartmental programs

901. Eighth Semester Program. Designed to draw together and fulfill the students' varied educational experiences during the four-year medical curriculum, this program includes a mix of clinical and classroom sessions, taught during the eighth and final semester. Such topics as the future role

of the computer in patient care, surgical skills, developing a medical practice, counseling skills and advanced life support are among issues covered in both large and small class sessions, with topics varying each year to address the individual needs for learning as experienced in each class.

Institute of Forensic Medicine

The NTSU/TCOM Institute of Forensic Medicine works closely with the Tarrant County Medical Examiner's Office in an area which has become increasingly important to the practicing physician. Forensic medicine incorporates principles of medical jurisprudence, the critical evaluation of autopsy material and determination of cause and manner of death.

Though no legal connection exists between the Institute and the Medical Examiner's Office, the two organizations share the NTSU/TCOM Pathology Building, which includes well-equipped morgue, lecture halls and offices.

Study materials for teaching and research are provided by the County Medical Examiner's Office, and the Institute in turn provides the necessary training in forensic medicine and autopsy techniques for second-year students of NTSU/TCOM (2 semesters) and various community groups, such as police and fire academies, as well as nursing and medical technology students from area junior colleges.

A toxicology laboratory is being created within the Institute's toxicology department to aid the Medical Examiner's Office in determining cause of death when drugs or poisons are involved and to provide clinical toxicology support to practicing physicians and training for student-doctors and graduate students. The laboratory also will aid in monitoring public health in the community.

The NTSU/TCOM Institute of Forensic Medicine also will conduct symposia on various aspects of forensic medicine and related problems. In 1980, the Institute will host the annual meeting of the National Association of Medical Examiners.

Institute for Human Fitness

The Institute for Human Fitness at NTSU/TCOM has been inaugurated in recognition of the increasing demand for physicians' services in the areas of preventive, sports and rehabilitation medicine.

The Institute, the first in the nation to combine a rehabilitation/sports medicine clinic, research cen-

ter and fitness activities center in a medical school setting, provides education in rehabilitation/sports medicine and develops programs for the prevention and treatment of athletic injuries, while establishing a scientific base, through research, for fitness and exercise.

The Institute's Rehabilitation/Sports Medicine Clinic serves as a multidisciplinary setting for educational programs in a variety of areas. The clinic provides training for medical students in sports medicine and the development of conditioning and re-conditioning programs and procedures, as well as the application of techniques of rehabilitation medicine to restore patients to maximum functional potential physically, psychologically, economically and socially.

The Research Center is developing programs to study a variety of related problems including the biomechanical aspects of exercise, the cardiopulmonary effects of exercise and fitness programs for the elderly.

The Fitness Activities Center will serve both the clinic and research center as a setting for the implementation of programs prescribed by physicians and for the testing of programs under study and development. Physicians, trainers and physical therapists will be afforded the opportunity to practice and teach their techniques in the most effective way possible. Close monitoring of participants will be possible during treatment, program development and fitness maintenance activities.

Master of Science in Basic Health Sciences

Students of osteopathic medicine are eligible to pursue the master of science in basic health science degree while working toward the D.O. degree. Application for admission to the graduate program must be made through the dean of the Graduate School, North Texas State University. After admission is accepted, the assistant dean for basic sciences, North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine, will assist the student in preparation of a de-

gree program. The M.S. degree will be awarded by NTSU.

Fulltime medical students who seek this degree concurrently with the D.O. degree will normally utilize at least three summer sessions for the necessary additional course work and thesis research in basic health sciences. A maximum of six semester hours of acceptable transfer graduate course work from another institution may be applied to the degree plan.

The program is of an interdisciplinary nature, and the degree plan will be individually designed for the specific needs of the student. With the approval of the student's advisory committee and the dean of the NTSU Graduate School, the degree will require (1) satisfactory completion of the first two years of course work at NTSU/TCOM and (2) a minimum of 18 semester hours of graduate level course work at NTSU, including a six-hour thesis. The degree is available with concentrations in anatomy, biochemistry, microbiology and immunology, pharmacology and toxicology and physiology.

Financial support for summer terms is available through several sources including state and federally supported grant funds which have been awarded to the faculty.

STUDENT AFFAIRS

Student services

Student activities

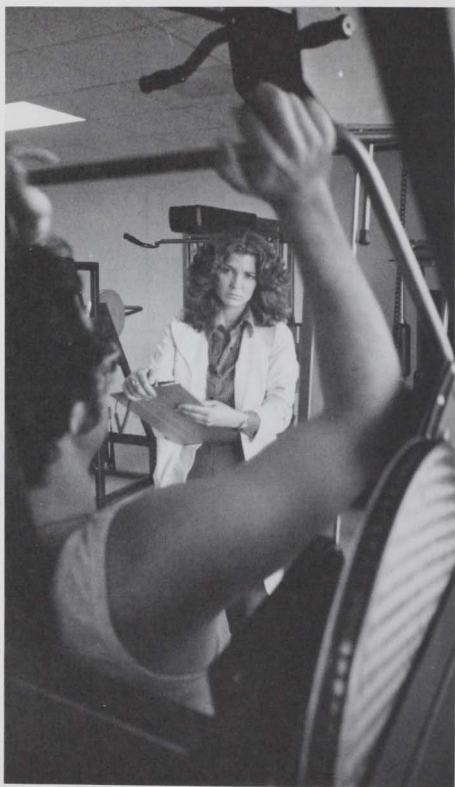
Military affairs

Honors and awards



STUDENT AFFAIRS

Student services
Student activities
Military affairs
Honors and awards



The Office of Student Affairs provides assistance to students from the time they apply for admission to North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine through matriculation to graduation and beyond, in an attempt to facilitate their academic training, personal growth and development.

In addition, this office assists the dean of the college in interpreting student needs and in creating an atmosphere which stimulates learning and integrates out-of-class activities into the formal learning programs.

The goals of this office are to encourage student participation in and contribution to the total college program; to establish and coordinate a system of student academic advisement; and to interpret college regulations on academic and non-academic affairs to students. To this end, the Office of Student Affairs oversees a series of activities, including admissions, counseling, financial aid, military affairs, registrar and student services.

Guidance and counseling

Guidance involves the collection and dissemination of information regarding students' needs and interests. Student forums are scheduled with each class at various times during the academic year to provide opportunities for students, administration, faculty and staff to discuss areas of interest and concern. An orientation program including a "survival course" is scheduled each fall to provide incoming freshmen with an opportunity to meet their classmates, faculty and administration in a non-classroom situation and to provide information and details about important aspects of the curriculum and the college. In addition, the "survival course" attempts to provide insight and/or alternatives for managing potential stresses and strains to be found during medical school.

Counseling services are available for students and spouses on an appointment or walk-in basis for

Student services

discussion of academic or personal problems. Group counseling sessions may be scheduled throughout the year and are open to all students and spouses. An academic advisement program is being developed for incoming students. This program assigns to each student a preclinical sciences and a clinical sciences adviser, who serve to provide direction or support in periods of academic difficulty, plan alternate programs or assist in reassessment of priorities.

Food service

Food is available from vending machines in the NTSU/TCOM academic buildings, and a number of restaurants are within walking distance of Medical Education Building I and River Plaza Campus Center.

Student discounts

Several discounts are available to students for recreational activities, commercial items and restaurants, and efforts are continually made to obtain additional discounts. Information regarding this program is available from the Office of Student Affairs.

ID cards

NTSU/TCOM identification cards are issued during fall registration.

Health services

NTSU/TCOM students may utilize the health care services of the Central Clinic in Medical Education Building I at no charge, except for laboratory fees and drugs.

All students are required to carry health insurance. If a student does not have other insurance, coverage is available with Blue Cross-Blue Shield through a college program. Information on fees, which are subject to change, is available in the tuition and fees section of this catalog.

Employment service

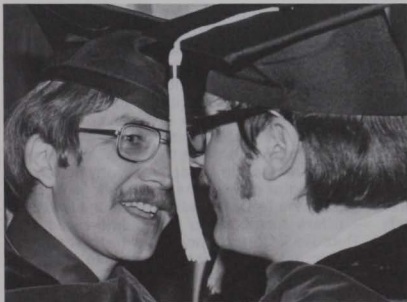
Assistance is provided to students and spouses in locating part-time and/or fulltime employment. Interested students and/or spouses should contact the Office of Student Affairs or Personnel Office at NTSU/TCOM or the Texas Employment Commission.

Housing

NTSU/TCOM does not have student housing available. Students are responsible for making their own living arrangements. An apartment survey for Fort Worth and the metroplex is distributed to each first-year student by the Student Affairs Office.

Student Activities

Recreational activities at NTSU/TCOM include pocket billiards and ping pong in the first-floor lounge, Medical Education Building I, as well as active softball and basketball teams and bicycle and running clubs. Arrangements also have been made by the Office of Student Affairs for NTSU/TCOM students to use various recreational facilities on neighboring campuses, such as North Texas State University and Texas Christian University.



Organizations

A variety of organizations is available in which students may participate.

American Academy of Osteopathy — a voluntary organization for students who devote extracurricular time to the study of the theory and application of osteopathic philosophy.

American Osteopathic Association — recognized national organization of the osteopathic profession; membership open to all students. (Continued membership in this organization is highly recommended and desirable.)

Atlas Club — a professional fraternity dedicated to advancing the principles of osteopathic medicine; membership by invitation only.

Hot Wheels — an active group of cyclists whose purpose is to seek health through cycling and other exercise. All motorized devices are banned from activities.

Sigma Sigma Phi — a national osteopathic honorary service fraternity. Membership is by invitation and is extended to those students in the last half of the sophomore year or the first half of the junior year who are in the upper half of their class academically and who show qualities of leadership. Chapter membership is limited to 15 per cent of the student body.

Speculum Staff — plans, prepares and publishes a yearbook entitled **Speculum**.

Student Osteopathic Medical Association — offers membership to all students. Purposes of SOMA are to improve the quality of health care delivery to the American people, contribute to osteopathic medical education, establish lines of communication with other health science organizations and prepare its members to meet the moral, social and ethical obligations of an osteopathic physician.

Student Chapter of the American College of General Practitioners in Osteopathic Medicine and Surgery — offers membership to all interested students. Purpose of the organization is to foster an informed interest in general practice while providing direct contact between student doctors and active general practitioners.

Student Government Association — composed of representatives from each of four classes who are elected in January for the calendar year to represent the student body in matters related to student, faculty and administrative affairs. The president of the SGA and the SGA advisor serve as liaisons between students and the administration.

Students' Associate Auxiliary — affiliated with the Auxiliary to the American Osteopathic Association. Membership is open to spouses of NTSU/TCOM students. A contributing membership is available. The objectives are to prepare members for their futures as spouses of osteopathic physicians and to promote projects which will benefit NTSU/TCOM, the local community and the osteopathic profession. The objectives are achieved through educational programs and social activities for students and their families.

TCOM Acrophilics Flying Club — promotes general aviation knowledge and safety and allows students, faculty, staff and their immediate families access to inexpensive airplanes for rent and instructors for all classes of licenses.

TCOM Runners — organized in 1978 to promote health through running; membership open to students, faculty, staff and their families; includes group runs, seminars, team participation in organized meets, etc.

Women Students' Organization — provides a source of practical help and moral support to all female students of NTSU/TCOM in dealing with the unique concerns of female medical students.

Scheduling events

Student organizations may schedule extracurricular seminars, programs and guest lectures. However, any such activity must be approved through the Office of Medical Education and by the associate dean for medical education.



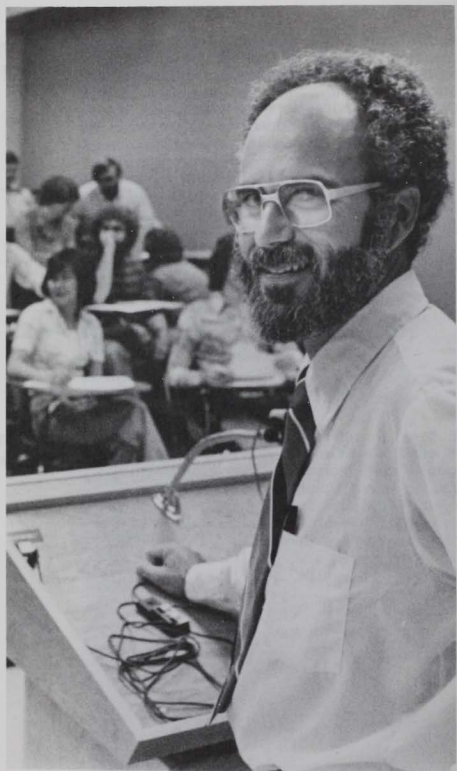
North Texas State University Health Sciences Center/Texas College of Osteopathic Medicine is approved by the Texas Education Agency for the training of men and women who have served in the armed forces, and assistance is provided to students who are on active duty or who are veterans. To establish eligibility for assistance, a veteran should contact the Office of Student Affairs for the appropriate forms. The completed forms and a copy of Form DD-214 should be forwarded to the Office of Student Affairs.

Veterans wishing to continue their benefits at NTSU/TCOM should complete a Transfer of Training Application and submit it to the registrar. To remain eligible to receive veterans' benefits a student must maintain a minimum 2.0 grade point average. Veterans' benefit payments may not be made during any period of academic probation.

Military affairs

Students are selected each year for *Who's Who in American Colleges and Universities*, T. Robert Sharp General Practitioner of the Year Award, Wayne O. Stockseth Award, Upjohn Achievement Award, Sandoz Inc. Award and the CIBA Community Service Award. Additional honors and awards will be announced as they are identified.

Honors and awards



COLLEGE ROSTERS

Board of Regents, North Texas State University
Advisory Council to the Dean
Administrative officers
General administrative staff
The faculty



A. M. Willis Jr., Longview
Chairman

E. Bruce Street Sr., Graham
Vice-chairman

Albert Gates, Laredo

William W. Jamar Jr., Brownwood

Kenneth A. May, Lubbock

Vernon F. Neuhaus, Mission

Ed C. Smith, Dallas

E. E. Stuessy, Austin

Hugh Wolfe, Stephenville

**NTSU
Board of
Regents**

**Advisory
Council to
the Dean**

Jay E. Sandelin, Fort Worth
Chairman

David R. Armbruster, D.O., Pearland

John J. Cegelski Jr., D.O., San Antonio

Roy B. Fisher, D.O., Fort Worth

Gerald P. Flanagan, D.O., Denton

J. B. Floyd, Denton

A. M. Herman, J.D., Fort Worth

George J. Luibel, D.O., Fort Worth

Claude Rainey, Fort Worth

Lewis T. (Pat) Patterson, Kansas City, Missouri

Tex Roberts, Fort Worth

Wayne O. Stockseth, Corpus Christi

Harry K. Werst, Fort Worth

Hugh Wolfe, Stephenville

North Texas State University

**Administrative
officers**

John L. Carter, Acting President

Walt Parker, M.A., Assistant to the President

**North Texas State University Health Sciences
Center/Texas College of Osteopathic Medicine**

Ralph L. Willard, D.O., F.A.C.O.S., Vice-president
for Medical Affairs and Dean

J. Warren Anderson, Ed.D., Associate Dean of
Medical Education

Richard B. Baldwin, D.O., Acting Assistant Dean of
Clinical Affairs

C. G. Skinner, Ph.D., Assistant Dean of
Basic Sciences

M. L. Budd, Ph.D., Assistant Dean of
Student Affairs

Jere Pederson, B.S., Chief Fiscal Officer

Ken Coffelt, M.S., Director of Biomedical
Communications and Equal Employment Officer

Earlene McElroy, Director of Admissions and
Acting Registrar

Robert R. Carter, M.L.S., Director of Library
Services

**General
administrative
staff**

Walter L. Brake, Ph.D., Director of Personnel

Feliks Gwozdz, M.D., Director, Institute of Forensic
Medicine

Pamelia Pratt Hillmer, Ph.D., Director of
Development

William J. Hutton, B.B.A., Director of Accounting

Cheryl E. Jackson, M.Ed., Budget Director

Robert L. Kaman, Ph.D., Acting Director, Institute
for Human Fitness

Ronald Markert, Ph.D., Director of Evaluation

Janice Odom, B.A., Director of News and
Information Services

John Peveto, B.A., Director of Physical Plant

Judy Slagle, Director of Financial Aid

Mary McAnally, B.B.A., Director of Purchasing

Ray Stokes, B.S., Director of Alumni Affairs

The faculty

Alderman, J.A., D.O.

Clinical Instructor of General and Family Practice

Allen, Lois B., Ph.D.Assistant Professor of Microbiology and
Immunology**Alter, Joel, D.O.**

Associate Professor of Surgery

Anderson, J. Warren, Ed.D.

Associate Professor of Medical Education

Aschenbrenner, John E., Ph.D.

Assistant Professor of Anatomy

Baldwin, Richard B., D.O.Associate Professor of General and Family
Practice**Barker, David J., Ph.D.**

Assistant Professor of Physiology

Bascone, A.G., D.O.

Lecturer in Radiology

Beck, Raymond E., D.O.

Clinical Associate Professor of Radiology

Becka, Edward Allen, D.O.Clinical Assistant Professor of
Otorhinolaryngology and Ophthalmology**Becker, Rollin E., D.O.**Lecturer in Osteopathic Philosophy, Principles
and Practice**Beckwith, Jay G., D.O.**

Clinical Associate Professor of Medicine

Beyer, David M., D.O.Clinical Assistant Professor of General and
Family Practice and Surgery**Beyer, R. B., D.O.**Lecturer in Osteopathic Philosophy, Principles
and Practice**Biggs, Charles R., D.O.**

Clinical Professor of Surgery

Bilyea, David L., D.O.

Associate Professor of Surgery

Bode, Robert F., D.O.

Clinical Associate Professor of Medicine

Bradley, Frank, D.O.

Clinical Associate Professor of Radiology

Bradshaw, C. M., M.D.

Lecturer in Psychiatry

Bradshaw, William V. Jr., M.D.

Clinical Associate Professor of Microbiology and Immunology

Briney, Stanley R., D.O.

Clinical Assistant Professor of Radiology

Brooks, Edward M., D.O.

Clinical Associate Professor of
Otorhinolaryngology

Brown, Elmer

Instructor of Rehabilitation/Sports Medicine

Brown, Robert R., D.O.

Associate Professor of General and Family
Practice

Budd, M. L., Ph.D.

Assistant Professor of Medical Education

Bunnell, Larry L., D.O.

Professor of General and Family Practice

Caffrey, James L., Ph.D.

Assistant Professor of Physiology

Calabria, James T., D.O.

Clinical Associate Professor of Surgery

Cantrell, Elroy T., Ph.D.

Associate Professor of Pharmacology

Carlton, Catherine Kenney, D.O.

Clinical Professor of Osteopathic Philosophy,
Principles and Practice

Carnes, James E., Ph.D.

Assistant Professor of Anatomy

Clark, C. Thomas, D.O.

Clinical Assistant Professor of Pediatrics

Coffelt, Ken, M.S.

Instructor of Medical Education

Cohen, Phillip E., D.O.

Assistant Professor of Medicine

Conn, Raymond A., D.O.

Associate Professor of Psychiatry

Cordas, Stevan, D.O.

Clinical Associate Professor of Medicine

Cox, Virgil M. Jr., M.D.

Clinical Assistant Professor of Psychiatry

Coy, Marion E., D.O.

Professor of Osteopathic Philosophy, Principles
and Practice

Croley, Thomas E., Ph.D.

Assistant Professor of Anatomy

Cueto, Charles R., D.O.

Clinical Assistant Professor of Medical Education

Cunniff, Nelda, D.O.

Clinical Instructor of General and Family Practice

Dennis, Margaret Helen, Ed.D.

Professor of Psychology

Dott, Raymond, D.O.

Lecturer in Radiology

Dziamba, Cheri T., D.O.

Clinical Instructor of Medicine

Earp, Gary, D.O.

Clinical Instructor of General and Family Practice

Elko, Edward E., Ph.D.

Professor of Pharmacology and Medical
Education

Ellis, Noel, D.O.

Clinical Associate Professor of Obstetrics and
Gynecology

Ellis, Virginia P., D.O.

Professor of Pediatrics

Ellis, William, D.O.

Lecturer in Osteopathic Philosophy, Principles
and Practice

Emmett-Oglesby, Michael W., Ph.D.

Assistant Professor of Pharmacology

English, Wayne R., D.O.

Professor of Rehabilitation/Sports Medicine

Esselman, George M., D.O.

Professor of Medical Education

Everett, Carl, D.O.

Clinical Professor of General and Family Practice

Faigin, Al, D.O.

Clinical Assistant Professor of General and
Family Practice

Faigin, Nancy, D.O.

Clinical Assistant Professor of General and
Family Practice

Falbey, Frank B., D.O.

Associate Professor of General and Family
Practice and Medical Education

Fannin, James, D.O.

Clinical Instructor in Radiology

Ferré, Gustave, Ph.D.

Lecturer in Medical Humanities

Fischer, Roy L., D.O.

Clinical Associate Professor of Obstetrics and
Gynecology

Fisher, Roy B., D.O.

Clinical Associate Professor of Surgery

Flaggman, Paul D., D.O.

Clinical Assistant Professor of Medicine

Funderburk, Noel, Ph.D.

Assistant Professor of Microbiology

Gabert, Sharon, J.D.

Lecturer in Medical Humanities

Galewaler, John Edward, D.O.

Lecturer in Osteopathic Philosophy, Principles
and Practice

Gallehugh, Clyde, D.O.

Clinical Associate Professor of Anesthesiology

Gamber, Russell G., D.O.

Associate Professor of General and Family
Practice

Gaugl, John F., Ph.D.

Associate Professor of Physiology

Giles, F. D., D.O.

Clinical Assistant Professor of General and
Family Practice

Giles, William T., D.O.

Clinical Assistant Professor of General and
Family Practice

Gilfillan, Bruce G., D.O.

Associate Professor of Pediatrics

Glickfeld, Myron, D.O.

Clinical Assistant Professor of Surgery

Godell, Chester Jr., D.O.

Clinical Assistant Professor of Medicine

Gracy, Robert, Ph.D.

Professor of Biochemistry

Gramer, Jack H., D.O.

Associate Professor of Osteopathic Philosophy,

Principles and Practice and General and

Family Practice

Gwozdz, Feliks, M.D.

Professor of Pathology

Hames, R. B., D.O.

Clinical Instructor of General and Family Practice

Harakal, John H., D.O.

Professor of Osteopathic Philosophy, Principles

and Practice

***Harris, Ben, Ph.D.**

Professor of Biochemistry

Harris, Elizabeth F., Ph.D.

Associate Professor of Microbiology

Helfrey, Richard B., D.O.

Clinical Assistant Professor of Pediatrics and

Medical Education

Hochberger, Richard C., D.O.

Assistant Professor of Pediatrics

Hudson, Richard, D.O.

Clinical Instructor of Surgery

***Jacobson, Myron K., Ph.D.**

Assistant Professor of Biochemistry

Jenkins, Constance I., D.O.

Assistant Professor of General and Family

Practice

Jenkins, W. R., D.O.

Professor of Surgery

Johnson, Eric F., D.O.

Clinical Instructor of Medicine

Johnson, M. E., D.O.

Clinical Professor of Medicine

Jones, Gary L., Ph.D.

Assistant Professor of Pharmacology

Kahn, Hyman, D.O.

Clinical Associate Professor of Anesthesiology

Kaman, Robert L., Ph.D.

Assistant Professor of Biochemistry

Kauzlarich, John A., D.O.

Assistant Professor of Rehabilitation/Sports
Medicine

Kebabjian, S. Stevon, D.O.

Clinical Associate Professor of Anesthesiology

Kelso, Elmer L., D.O.

Clinical Associate Professor of Anesthesiology

Kemplin, John, D.O.

Professor of Radiology

Kester, Marian V., Ph.D.

Instructor of Biochemistry

Keyser, Peter D., Ph.D.

Assistant Professor of Microbiology and
Immunology

King, H. Gil, Ph.D.

Adjunct Assistant Professor of Medical Education

Kline, Charles A., D.O.

Professor of Pediatrics

Korr, I. M., Ph.D.

Professor of Medical Education

Kratz, Arthur W., D. O.

Clinical Assistant Professor of General and
Family Practice

Lacko, Andras G., Ph.D.

Associate Professor of Biochemistry

Leech, Richard C., D.O.

Clinical Assistant Professor of Anesthesiology

Leeper, Charles J., J.D.

Lecturer in Medical Humanities

Lichwa, Edwin A., D.O.

Lecturer in Radiology

Linton, James W., D.O.

Clinical Assistant Professor of General and
Family Practice

Lively, James, D.O.

Lecturer in Radiology

Lowery, Martin, D.O.

Assistant Professor of Pathology

Luibel, George J., D.O.

Lecturer in Osteopathic Philosophy, Principles
and Practice

Lyle, Gloria, Ph.D.

Associate Professor of Pharmacology

Markert, Ronald, Ph.D.

Assistant Professor of Medical Education

Marshall, James R., D.O.

Associate Professor of Pediatrics

Marshio, Pat John, D.O.

Assistant Professor of Surgery

Masaracchia, Ruthann, Ph.D.

Assistant Professor of Biochemistry

Matthews, James G., D.O.

Clinical Associate Professor of Obstetrics and
Gynecology

Maughan, Matthew J., D.O.

Assistant Professor of Radiology

McCorkle, J. Warren, D.O.

Lecturer in Radiology

McDaniel, H. Reginald, M.D.

Clinical Associate Professor of Pathology

McGrath, T. T., D.O.

Clinical Associate Professor of Surgery

McLaughlin, Blaine E., M.D.

Clinical Assistant Professor of Psychiatry

McLaughlin, James A., D.O.

Clinical Assistant Professor of General and
Family Practice

Measel, John W. Jr., Ph.D.

Assistant Professor of Microbiology and
Immunology

Neal, William P., D.O.

Associate Professor of Pediatrics

Nelson, Robert L., D.O.

Clinical Associate Professor of Radiology

Nobles, Robert H., D.O.

Clinical Assistant Professor of General and
Family Practice

***Norton, S. L., Ph.D.**

Professor of Biochemistry

Ogilvie, Charles D., D.O.

Professor of Medical Humanities and Radiology

Olson, C. Raymond, D.O.

Professor of Medicine

Osborn, James, M.D.

Clinical Assistant Professor of Medicine

O'Shea, J. Thomas, D.O.

Clinical Professor of Pathology

Ostrom, Floyd, D.O.

Clinical Assistant Professor of Pediatrics

***Patton, Robert W., Ph.D.**

Associate Professor of Physiology

Pearson, Harris F. Jr., D.O.

Clinical Associate Professor of Radiology

Pease, George F., D.O.

Clinical Professor of Surgery

Peterson, Donald, D.O.

Associate Professor of General and Family
Practice

Philben, Patrick D., D.O.

Clinical Professor of Pediatrics

Powell, Vanna M., D.O.

Assistant Professor of Obstetrics and Gynecology

Priddy, Laurance L., J.D.

Lecturer in Medical Humanities

Pressly, W. A., D.O.

Clinical Assistant Professor of General and
Family Practice

Pruzzo, Neil, D.O.

Lecturer in Osteopathic Philosophy, Principles
and Practice

Ranelle, Brian, D.O.

Clinical Assistant Professor of Ophthalmology

Ranelle, H. William, D.O.

Clinical Professor of Ophthalmology

Raven, Peter B., Ph.D.

Associate Professor of Physiology

***Redden, David, Ph.D.**

Professor of Physiology

Reeves, James B., Ph.D.

Professor of Microbiology and Immunology

Reifel, Donald, M.D.

Clinical Associate Professor of Microbiology and Immunology

Rochowiak, Michael W., D.O.

Associate Professor of Obstetrics and Gynecology

Rudick, Victoria, Ph.D.

Assistant Professor of Anatomy

Sallee, Verney L., Ph.D.

Assistant Professor of Physiology

Saperstein, Phillip P., D.O.

Clinical Associate Professor of General and Family Practice

Scadron, Hubert M., D.O.

Clinical Associate Professor of Ophthalmology

Schafer, Rollie, Ph.D.

Assistant Professor of Physiology

Schunder, Mary L., Ph.D.

Associate Professor of Anatomy

Schussler, Irwin, D.O.

Associate Professor of Psychiatry

Sharp, T. Robert, D.O.

Clinical Professor of General and Family Practice

Shores, Jay, Ph.D.

Associate Professor of Medical Education

Sinclair, Richard J., Ph.D.

Assistant Professor of Physiology

Skinner, Charles Gordon, Ph.D.

Professor of Biochemistry

Skinner, Myron G., D.O.

Clinical Associate Professor of Pathology

Smith, Bobby G., D.O.

Clinical Assistant Professor of General and
Family Practice

Starkey, Earle F., D.O.

Associate Professor of Pathology

Stern, Paul A., D.O.

Professor of Anesthesiology

Stern, Stephen, D.O.

Clinical Assistant Professor of Anesthesiology

Stewart, J. Natcher, D.O.

Clinical Professor of Surgery

Stroo, Hans, M.D.

Lecturer in Psychiatry

Tai, Hsin-Hsiung, Ph.D.

Associate Professor of Biochemistry

Taylor, Scott C., D.O.

Assistant Professor of General and Family
Practice

***Thompson, Richard E., Ph.D.**

Adjunct Professor of Biochemistry

Tierney, Ralph, M.D.

Clinical Professor of Pediatrics

Tilma, G. L., D.O.

Clinical Instructor of Radiology

Truman, Michael, D.O.

Clinical Assistant Professor of General and
Family Practice

Turner, Thomas R., D.O.

Clinical Associate Professor of Surgery

Tyska, Edmund, D.O.

Lecturer in Osteopathic Philosophy, Principles
and Practice

Urban, Stephen F., D.O.

Associate Professor of General and Family
Practice

Van De Griff, William, D.O.

Clinical Associate Professor of Ophthalmology
and Otorhinolaryngology

Walker, Lee J., D.O.

Professor of Obstetrics and Gynecology

Walton, John A., D.O.

Associate Professor of General and Family
Practice and Medical Education

Weldon, Lloyd Kent, D.O.

Clinical Instructor of Surgery

Whitemore, Joe D., D.O.

Clinical Associate Professor of Surgery

Whittle, Tom W., D.O.

Clinical Professor of Psychology

Wilkins, Fred, D.O.

Professor of Radiology

Willard, Ralph L., D.O.

Professor of Surgery

Williams, Eric J., D.O.

Assistant Professor of General and Family
Practice

Wimbish, Gary, Ph.D.

Assistant Professor of Pathology and
Pharmacology

Wordinger, Robert J., Ph.D.

Assistant Professor of Anatomy

Yentis, Richard, M.D.

Clinical Assistant Professor of Psychiatry

Young, Andrew, D.O.

Clinical Associate Professor of General and
Family Practice

Yorio, Thomas, Ph.D.

Assistant Professor of Pharmacology

**Professional
library staff****Carter, Bobby R., M.S.**Director of Library Services and Associate
Professor of Medical Education**Coffman, Randall E., M.L.S.**

Reference Librarian

Elam, Craig S., M.L.S.Associate Director of Technical Services and
Assistant Professor of Medical Education**Evans, Moira, M.L.S.**Audiovisual Librarian and Instructor of Medical
Education**Johnson, Marilyn M., M.L.S.**

Reference Librarian

Mason, Timothy D., M.L.S.

Technical Services-Cataloging Librarian

Sowell, Steven L., M.L.S.Associate Director for Public Services and
Instructor of Medical Education**Taber, John S., M.L.S.**Serials Librarian and Instructor of Medical
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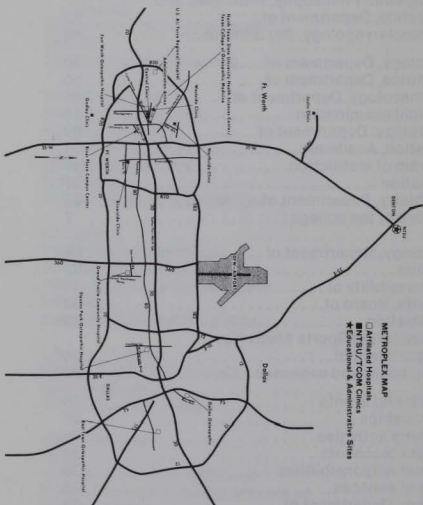
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Center/Texas College of Osteopathic Medicine**
under the direction of the North Texas State University Board of Regents

Camp Bowie at Montgomery
Fort Worth, Texas 76107

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