

Bulletin
School of Nursing
1994-95

HEALTH SCIENCES CENTER
UNIVERSITY
TEXAS TECH



**TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER
SCHOOL OF NURSING
ADDENDUM TO THE 1994-95 BULLETIN**

Page 4 - School of Nursing Administration
Gayleen Ienatsch, R.N., M.S.N.
Acting Regional Dean for the Permian Basin Campus and
Assistant Professor

Page 25 - Minimum Standards for Consideration for Admission

A. Entering Freshmen

1. Graduation from an accredited High School with class rank and ACT or SAT scores in one of the following categories

	SAT	ACT
First Quarter	900	22
Second Quarter	1100	27
Lower Half	1200	29

3. A minimum score on either the SAT or ACT exam
(currently 900 - SAT; 22 ACT) . . .

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**INFORMATION AND ADMISSIONS APPLICATIONS
FOR THE SCHOOL OF NURSING ARE AVAILABLE AS
FOLLOWS:**

The Baccalaureate and Graduate Programs:
Kathryn Quilliam Gregory, M.Ed.
Director, Student Related Services
Texas Tech University Health Sciences Center
School of Nursing
Lubbock, Texas 79430
(806) 743-2737

The Baccalaureate Program at the Permian Basin
Mary McClelland
Administrative Assistant
Texas Tech University Health Sciences Center
School of Nursing
(Permian Basin)
Odessa, Texas 79761
(915) 335-5150

The Continuing Nursing Education Program
Shelley Burson, M.Ed.
Director, Continuing Nursing Education
Texas Tech University Health Sciences Center
School of Nursing
Lubbock, Texas 79430
(806) 743-2734

BULLETIN

This bulletin is an official publication of Texas Tech University Health Sciences Center School of Nursing containing policies, regulations, procedures, programs, courses, schedules and fees in effect as the publication went to press. The School of Nursing reserves the right to make changes at any time without notice to reflect current board policies, administrative regulations and procedures, amendments by state law and fee changes. This publication is, therefore, intended for information only.

Texas Tech University Health Sciences Center (TTUHSC) is open to all persons regardless of race, color, religion, disability, sex or national origin who are otherwise eligible for admissions as students. TTUHSC is an Equal Opportunity Employer and no applicant or employee will be discriminated against because of race, creed, religion, disability, sex or national origin concerning employment or during the course of employment at this institution.

Once admitted, students need to keep themselves apprised of rules and regulations pertaining to the School of Nursing found in the *Student Handbook* and to Texas Tech University, found in the *Code of Student Affairs*.

This Bulletin is published by Texas Tech University Health Sciences Center School of Nursing Lubbock, Texas 79430

SEPTEMBER 1994, VOL. 13

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Texas Tech University Health Sciences Center

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SCHOOL OF NURSING

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F.A.A.N., Dean and Professor
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and Associate Professor
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and Professor
Virginia Miller, R.N., Ph.D.
Associate Dean for the Practice Program - Lubbock
and Assistant Professor



President's Message

Twelve years ago marked the beginning of a dynamic School of Nursing at Texas Tech University Health Sciences Center. This distinctive school has remained sensitive to the general needs of health care recipients in providing baccalaureate prepared nurses. Through the Graduate Program and the Continuing Nursing Education Program, special needs of nurses to remain competent and to develop special abilities are met. Like most schools of nursing throughout the nation, faculty engage in research. Unlike most schools of nursing, faculty also remain practice-relevant through the Practice Program. A unique opportunity awaits students who want to commit to excellence, to work for degrees that work for them. It is my pleasure to invite you to explore the opportunities for a distinctive education in West Texas.

Robert Lawless, Ph.D.
President
Texas Tech University Health Sciences Center
Texas Tech University



Executive Vice President/Provost's Message

This year marks the 26th anniversary of the legislation which led to the creation of the Texas Tech University Health Sciences Center and, ultimately, the School of Nursing.

As its primary mission, the Health Sciences Center was established to address the needs of patients in rural and other under-served areas of West Texas. With campuses in Lubbock and the Permian Basin, the School of Nursing has responded to that mission by educating nurses who can meet those challenging health care needs in varied environments.

With its distinctive concept of reintegration, the School of Nursing provides a holistic framework that teaches students their responsibilities to their patients, to their communities and to their profession.

Through its graduates - along with those of the schools of Medicine and Allied Health - the School of Nursing will help carry into the 21st Century our commitment to a mission the Texas Tech University Health Sciences Center was given at its creation a quarter century ago.

Bernhard T. Mitemeyer, M.D.
Executive Vice President/Provost for
the Health Sciences Center
Texas Tech University Health Sciences Center



Dean's Message

Nursing is about caring for people - doing that which they can't do for themselves - and helping them adopt lifestyles of healthiness. To meet this professional mission, the school's faculty engage in teaching across programs, practicing in diverse settings, conducting research, and serving the profession and health care consumers. With an emphasis on rural nursing needs, expanded role opportunities, and leadership demands, the faculty work together to provide distinctive learning opportunities for students in the undergraduate and graduate programs.

Needs of graduate prepared nurses are addressed through the joint doctoral program with the University of Texas Health Science Center at San Antonio and the post masters nurse practitioner program.

A school of distinction further develops itself through its distinctive graduates. Prepared for leadership, practice, the future - this is the distinction of the TTUHSC nursing student!

Patricia S. Yoder Wise, R.N., C., Ed.D., C.N.A.A.,
F.A.A.N. Dean and Professor Texas Tech
University Health Sciences Center School of
Nursing

School of Nursing Philosophy

The School of Nursing is an integral part of the Texas Tech University Health Sciences Center. It is a major function of the Health Sciences Center to concern itself with the improvement of health care in West Texas. Therefore, the School of Nursing reflects this concern as one of its major commitments; specifically, to improve the quantity and quality of nursing care available in West Texas. Further, as an element of the Health Sciences Center, it is the responsibility of faculty and students of the school to join with members of the other health disciplines in the Health Sciences Center to create an atmosphere in which collaborative efforts in education, patient care and research are expected. Because the school has the added advantage of connection with Texas Tech University, a general academic institution, faculty and students interact with members of other academic disciplines toward mutual understanding and benefit as well. Set in this environment, the School of Nursing has a valuable opportunity to accomplish its missions.

Since nursing is an evolving field, as time goes on, its practice may vary by changes in methods and techniques and its practitioners may assume differing or additional functions and roles in various work settings. Although these changes occur, representing adjustments to progress in science and to recognition of individual and societal needs, the unique component of the practice of nursing remains the provision of care. Provision of care, nursing, is the process of assisting individuals, families or other groups to meet basic human needs in order to achieve or maintain a desired state of health and to do so in a fashion which acknowledges the person as an integrated being rather than as a series of isolated systems or functions, the family as an integrated system, and society as a whole. This emphasis on care is in contrast with the emphasis on cure which is the focus of medicine and some other health disciplines; nursing is built on an ideal of service. Nursing as a discipline is one of several health-focused groups which can collaborate effectively to improve the health status of members of our society. In order to assure that potential is met, the faculty of the school is committed to demonstrating mutually effective working arrangements with members of other disciplines in practice, education and research.

As a component of an education institution, the School of Nursing has a responsibility to provide a positive influence upon nurses, the practice of nursing, and upon the health of individuals. To those ends, the faculty is committed to creating programs and activities designed to prepare students for competent practice in the current health care system, to

prepare nurses to provide leadership for the future of nursing and health care, and to provide continuing additions to the knowledge upon which practice is based. This latter is developed both through research, which provides for addition to knowledge for the whole field of nursing, and through continuing education for practicing nurses. In each of these efforts, direct and continuous interchange between the school, the community of active nurses, and the larger general community is necessary to assure relevance and acceptance for the programs of the school. Nursing, as a dynamic profession, requires a distinctive commitment to all facets of the nursing role. The faculty at Texas Tech University Health Sciences Center School of Nursing believe that this commitment is best exemplified in the concept of reintegration.

Reintegration is a term chosen to reflect our belief about how professional nursing must proceed at this point in its development. *Re-*, meaning again, implies that at some previous time the situation/act/concept was complete, and *integrate*, meaning to bring together parts of a whole, are the basic elements of the verb reintegrate. The action this describes is clearly what we believe professional nursing requires, a bringing back together of what was and should be a whole, nursing. As we view reintegration, of nursing, it is the process of creating a whole, professional nursing, by the synthesis of clinical practice, educative function, scholarly activity and community / institutional service. We view these elements as being present in the "whole" of professional nursing in varying amounts.

The faculty, as educators, assume that their role is one of creating an environment for learning while acknowledging that learning is an active, self-initiated process for which students, as adults, are individually responsible. As experts in their field, the faculty members are responsible for identifying or creating learning activities and for interacting with students in ways which will challenge their individual motivation. We believe that learning occurs as a unitary process, involving the whole individual rather than only as cognitive processes. Therefore, as teachers, we implement educational activities which acknowledge the importance of the individual diversity of students.

The role of the nurse faculty also includes a responsibility for continued participation in clinical practice in order to assure the competence necessary to provide models for students and to serve as a major link between education and clinical practice in nursing. A further responsibility of faculty is participation in research relevant to nursing practice and nursing education in one or more of the aspects of inquiry. Finally, as faculty in a professional school, we

acknowledge the responsibility for setting and maintaining standards which will assure students of the excellence of this educational program and the public of excellence in the practice of nursing.

Accreditation

In July, 1980, the Texas Tech University Health Sciences Center Continuing Nursing Education Program was accredited by the Western Regional Accrediting Committee of the American Nurses' Association as a provider for continuing education in nursing. That accreditation, now offered through the American Nurses Credentialing Center, remains in effect.

In November, 1982, the baccalaureate program received full accreditation from the Board of Nurse Examiners of the State of Texas and in December, 1983, the National League for Nursing granted initial accreditation, which was retroactive prior to the first graduation in June, 1983. Continued accreditation was granted in March, 1992. Thus, the baccalaureate program maintains the two professional accreditation statuses. The Master of Science program received initial accreditation in March, 1992.

Purposes and Functions

The School of Nursing, as an organizational entity within Texas Tech University Health Sciences Center, implements the purposes and goals of the university and the health sciences center within the context of nursing.

The purposes of the School of Nursing are twofold:

1. To provide high-quality nursing educational programs that prepare graduates to practice nursing and contribute to the availability and quality of health care services in West Texas and
2. To enhance the quality of nursing practice and services.

To these ends, the School of Nursing has delineated the following functions:

1. Design, implement, and evaluate high-quality degree programs that prepare graduates to practice in professional nursing.
2. Develop, implement, and evaluate a continuing nursing education program that provides quality educational opportunities to nurses.
3. Demonstrate commitment to service in the community.
4. Develop a research component that facilitates expansion of nursing knowledge and contributes to the quality of available educational and practice opportunities.
5. Provide clinical expertise in advancing nursing and health care.

General Information

Brief History of Texas Tech University and Texas Tech University Health Sciences Center

Texas Tech University

Texas Tech University, which was founded in 1923 and enrolled its first students in the fall of 1925, is a state-supported, coeducational institution comprising the instructional colleges of Agricultural Sciences and Natural Resources, Architecture, Arts and Sciences, Business Administration, Education, Engineering, Human Sciences, the School of Law, the Graduate School and a number of special departments and divisions. The 61st Legislature of the State of Texas authorized the creation of the Texas Tech University School of Medicine as a separate educational institution. The Texas Tech University Health Sciences Center was officially designated by the 66th Texas State Legislature.

Lubbock, the home of Texas Tech, is a city of approximately 190,000 inhabitants. It is situated in the South Plains area of West Texas at an altitude of 3,250 feet. Dry, crisp air and sunny days throughout practically the entire year provide a healthful and invigorating climate.

The university campus, a contiguous tract of 1,839 acres, lies at the western edge of the business section of the city. University buildings number 225, including the Lubbock campus, Junction campus, Pantex campus, agricultural field laboratories at New Deal, and regional campuses in Amarillo, El Paso and the Permian Basin. The present plant value is over \$300 million.

The first president of Texas Tech was Paul Whitfield Horn (1925-1932). He was followed by Bradford Knapp (1932-1938). Clifford Bartlett Jones (1938-1944), William Marvin Whyburn (1944-1948), Dossie Marion Wiggins (1948-1952), Edward Newlon Jones (1952-1959), Robert Cabaniss Goodwin (1959-1966), Grover Elmer Murray (1966-1976), Maurice Cecil Mackey (1976-1979), Lauro Fred Cavazos (1980-1988), and Robert Lawless (1988-).

Graduate work has been offered at Texas Tech University since 1927. In 1937, the graduate program became a separate unit under its own dean and council. Between 1928, when the first master's degree was awarded, and May, 1993, a total of 18,552 master's degrees have been conferred; and since 1952, when the doctorate was first awarded, 6,509 degrees have been conferred, of which 3,643 were J.D.s.

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER

School of Nursing

The School of Nursing was officially approved for funding by the 67th Legislature and Governor William P. Clements in 1981. This followed a period of development beginning with its initial approval by the Coordinating Board, Texas College and University System, in 1975, and approval for program development by the Board of Nurse Examiners for the State of Texas that same year. The Continuing Nursing Education Program of the Health Sciences Center, initiated in 1979, became an element of the School of Nursing in Fall 1981. The first students were admitted to the baccalaureate degree program of the School of Nursing in Fall 1981. This marked the initiation of curriculum designed to admit students with no previous nursing course work, Licensed Vocational Nurses and Registered Nurses into a program culminating in the Bachelor of Science in Nursing degree.

The Permian Basin Program began in Fall 1985, and has two campuses, one in Midland and one in Odessa. In Fall 1988, a graduate program was initiated to meet the increasing demands for nurses prepared at the graduate level to provide complex, comprehensive care.

Although the School of Nursing is a part of the Health Sciences Center, students are able to enroll in courses at the University (a separate legal entity).

Essential Eligibility Requirements for Participation in The School of Nursing

The following essential eligibility requirements for participation in the School of Nursing (Standards) and examples of necessary activities (*NOT* all inclusive) should be used to assist each applicant/student in determining whether accommodations or modifications are necessary

Standard

Critical thinking abilities sufficient for clinical judgment.

Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Some Examples of Necessary Activities (not all inclusive)

Identify cause-effect relationships in clinical situations, develop nursing care plans.

Establish rapport with patients/clients and colleagues.

Communication abilities sufficient for interaction with others in verbal and written form.

Abilities sufficient to move from room to room and maneuver in small places.

Abilities sufficient to provide safe and effective nursing care.

Abilities sufficient to monitor and assess health needs.

Abilities sufficient for observation and assessment necessary in nursing care.

Abilities sufficient for physical assessment.

Explain treatment procedures, initiate health teaching, document and interpret nursing actions and patient/client responses.

Moves around in patient's rooms, work spaces, and treatment areas, administer cardio-pulmonary procedures

Calibrate and use equipment; position patients/clients.

Hears monitor alarm, emergency signals, auscultatory sounds, cries for help. Observes patient/client responses.

Perform palpation, functions of physical examination and/or those related to therapeutic intervention, e.g. insertion of a catheter.

Baccalaureate Program

The baccalaureate program at TTUHSC School of Nursing provides the student with the opportunity to practice nursing art and science in the first year of the program. The student takes both nursing and nonnursing courses concurrently throughout the four year course of study. This curriculum pattern enables the student to be involved in nursing activities early in his/her career and to integrate general education courses in his/her nursing care. The student also has the opportunity to validate and synthesize knowledge gained in nursing and non-nursing courses both at the midpoint of his/her program and at the end of the program. This validation/synthesizing process encourages self confidence in nursing practice. The baccalaureate program prepares the student for reintegrated professional nursing practice and lays the foundation for graduated education.

Master's Program

This advanced degree provides opportunities for increased depth of knowledge and specialization in a clinical and functional area in order to provide leadership and a more intense level of quality care. The Master of Science in Nursing Program focuses on promoting application of knowledge, generating knowledge, and initiating change in health care systems and delivery. As graduate students, nurses are expected to assume direction of their program, within stated parameters, and determine their level of contribution to the identification, use and evaluation of nursing therapies.

Doctoral Program

The PhD in Nursing program is a partnership of The University of Texas Health Science Center at San Antonio School of Nursing (UTHSCSASN) and Texas Tech University Health Sciences Center School of Nursing (TTUHSCSN), Lubbock, Texas. There are two sites for doctoral course offerings, San Antonio and Lubbock. The PhD degree is awarded by The University of Texas Health Science Center at San Antonio Graduated School of Biomedical Sciences.

Practice Program

The School of Nursing maintains an active Practice Program. Many practice activities are implemented through health care agencies in West Texas. In Lubbock, additional practice activities originate from The Nursing Center, a faculty operated site for direct access to services by community clients.

Continuing Nursing Education

In September, 1979, Texas Tech University Health Sciences Center began the groundwork for a Continuing Nursing Education (CNE) program. By January, 1980, a 14-member advisory committee was in place; the first course, "Assessing the Chest: A Practice Session;" was held; then two courses in nursing management and a two-part series on the basic assessment of the chest and abdomen were planned. At this same time, numerous meetings with area nursing service administrators were held and a needs assessment was sent to all registered nurses in a 15-county area. Later, health care administrators were asked essentially the same questions and the survey area expanded to other areas of West Texas.

By mid-July, 1980, the Health Sciences Center had agreed to work cooperatively with three schools of nursing to provide co-sponsored continuing nursing education courses in addition to those courses provided solely by the CNE program. By August, 1980, the program was fully accredited as a provider of continuing nursing education by the Western Regional Accrediting Committee of the American Nurses' Association, and the advisory committee was expanded to a total of 18 members.

Opportunities that capitalize on the resources of both an academic setting and a health sciences center are now available to nurses in West Texas. Because the program responds to learning needs, various course formats are used to assist registered nurses in maintaining their practice competencies.

Additionally, the CNE program co-sponsors courses with the Office of Continuing Medical Education of Texas Tech University Health Sciences Center and others, thereby offering nurses additional learning opportunities.

Other Programs at Texas Tech University Health Sciences Center

School of Medicine

The Texas Tech University Health Sciences Center School of Medicine was created by the Texas Legislature in 1969 as a multi-campus regional institution with Lubbock as the administrative center and with other regional campuses in Amarillo, El Paso and Odessa. The lack of a single focus of population density dictated the regionalization of medical education.

The primary mission of the School of Medicine is to attract and to educate physicians for West Texas. The emphasis is directed toward primary care fields, but there is a balance between the seven responsibilities of any school of medicine; undergraduate medical education, residency training, continuing medical education, biomedical graduate education, research, patient care, and community service. The decision to develop specialty care areas consonant with the fundamental primary care mission has been made with due deliberation and with concern for breadth of an academic program which provides for the general education of the physician and also for the advancement of health care and medical science in West Texas.

In training young physicians, the School of Medicine concomitantly provides quality health care to the entire West Texas area comprising 108 counties and 131,000 square miles from the Mexican border through the Panhandle to Oklahoma. This area accounts for almost 50% of the land mass of the state and for 22% of the population of Texas.

One hundred and twenty qualified students are selected each year for entry to the School of Medicine. The first two years of preclinical studies are done by all students in Lubbock. Approximately one-third of each class receives its two years of clinical studies at Amarillo, El Paso and Lubbock.

Residency programs are offered at Odessa and the other three regional campuses. Each campus is staffed by faculty of the School of Medicine, and clinical experiences are provided in teaching hospitals within each community.

Allied Health

The School of Allied Health's mission within higher education in Texas is to provide masters and baccalaureate studies in several disciplines — clinical laboratory science, communication disorders, occupational therapy and physical therapy. In addition to these programs, the School of Allied Health also offers certificate studies in emergency medical services. The school offers baccalaureate degrees in communication disorders, clinical laboratory science, and occupational therapy. Master's degrees are

offered in communication disorders and physical therapy. While communication disorders and clinical laboratory sciences are offered at the Lubbock campus, occupational therapy and physical therapy are offered in Amarillo, Lubbock, and Odessa at the regional health sciences center campuses in those cities. Admission to the programs is highly competitive and the school seeks men and women with strong aptitudes for a scientifically based curriculum and a genuine desire to improve the well-being of people.

PHYSICAL FACILITIES

Texas Tech Health Sciences Center campuses in Lubbock, Amarillo, El Paso and Odessa serve as academic bases for fulfillment of the Health Sciences Center's commitment to both education and health care services for West Texas.

The campuses work in conjunction with affiliated institutions in the regions they serve to provide programs for medical students and resident physicians and continuing medical education opportunities for practicing physicians.

Students and faculty of the School of Nursing are a part of activities in Lubbock and Odessa. The School of Allied Health offers programs in Lubbock, Amarillo and Odessa.

Individual clinical strengths and opportunities at each location are emphasized. Medical students rotate through three centers at various stages of their medical education to benefit from a full spectrum of experiences. Students in nursing and allied health remain in their primary site throughout their educational program.

TEXAS TECH MEDICAL FOUNDATION

The Texas Tech Medical Foundation was formed in August, 1969, exclusively for charitable, education and scientific purposes and to assist in the establishment of the School of Medicine (and now all schools in the Health Sciences Center). It was chartered by the Secretary of State, State of Texas, as a non-profit corporation with a perpetual duration on February 18, 1970.

The Foundation is responsible for accepting donations, gifts and grants of money and property and administering these funds on a charitable, educational or non-profit basis on behalf of Texas Tech University Health Sciences Center. In addition, the Foundation helps provide support for training facilities, research and financial assistance for students. The Medical Foundation's current Chairperson is George Sell from Amarillo. The Vice-Chairperson is D. B. (Dan) Hemphill from Odessa. The foundation began serving the School of Nursing in its development in 1981.

Student Life

Recreation, Entertainment and Athletics

In Lubbock, TTUHSC is on the campus of Texas Tech University, affording students easy access to campus recreational and entertainment facilities at student rates. The music and drama departments maintain a calendar of events in addition to Lubbock's cultural arts programming.

Texas Tech belongs to the National Collegiate Athletic Association and the Southwest Conference and conducts its men's intercollegiate athletic program in accordance with their rules and regulations. The University men participate in football, basketball, track, cross-country, golf, swimming and tennis with other members of the conference which include the universities of Baylor, Houston, Rice, Southern Methodist, Texas, Texas A&M and Texas Christian. The University also belongs to the Association for Intercollegiate Athletics for Women, the Southwest Association for Intercollegiate Athletics for Women, and the Texas Association for Intercollegiate Athletics for Women. Texas Tech women participate in basketball, golf, tennis, track and field (including cross-country) swimming and volleyball with schools in the West Zone of the T.A.I.A.W. as well as with Southwest Conference schools and with other schools in Oklahoma, Arkansas, New Mexico, Colorado and Arizona. Through zone competition, teams qualify for state, regional, and national competition. The Texas Tech Double-T is a familiar sight at state tournaments and is gaining recognition nationally in all six sports.

Scholarships are now available for women in all sports through either audition or screening; however, teams are also open to students not on athletic scholarships. Tryouts for women's teams are held at the beginning of the fall semester.

Football is played in Jones Stadium which seats 47,000. Synthetic turf covers the playing field, which is surrounded by a tartan track and the lighting system permits night color television to be originated from the stadium.

A well-rounded intramural program of recreational sports activities is available to all students at Texas Tech. Students may participate in more than thirty different competitive sports as team or individuals in organized competition for club, Greek, residence hall, and independent student groups. Regular periods of supervised recreational free play are also scheduled so that students, faculty, and staff may participate in informal, non-scheduled activities.

On-campus recreational facilities currently include an indoor-outdoor swimming pool with removable bubble-top, 19 lighted tennis courts, outdoor handball courts, gymnasium facilities for floor sports, and a number of areas for field sports. A multipurpose student recreation center with 126,000 square feet

includes gymnasiums, handball courts, weight rooms, saunas, mat room, indoor archery range, and multi-purpose areas.

Student Affairs

It is the responsibility of the student to become familiar with the various regulations of the Health Sciences Center, the School of Nursing and Texas Tech University and to comply with them. In addition to keeping the Student Affairs Office informed of changes of address, the individual student is responsible for being informed of general and special notice conveyed by mail or posted on the School's bulletin board. It is the student's responsibility to make arrangements for the completion of all work including examinations, clinical experiences and requirements for removal of incomplete grades.

All students are responsible for knowledge of and compliance with these regulations and the rules of the Board of Regents.

Student Awards

Who's Who Among Students in American Universities and Colleges is the national directory compiled each year based on recommendations from individual campuses for inclusion in this directory of students who are academically superior and committed to school/organizational activities. The National Dean's List directory is compiled yearly listing students who are awarded dean's list recognition for outstanding scholastic achievement in the preceding fall, spring and summer semesters from campuses around the country. The Nightingale Society National Collegiate Nursing Awards and Phi Kappa Phi recognize nursing students with superior academic achievement. In addition, the School of Nursing participates in the Spirit of Nursing award sponsored by the U.S. Army Nurse Corps.

Student Employment

The decision to work while enrolled as a student in the School of Nursing rests with the individual student; the school assumes no responsibility for student's employment.

A student employed in an agency has responsibility, personally and professionally, to accept and engage in only those activities which fall within the position description for which he/she is qualified and which are not in conflict with legal and accreditation expectations.

Student Health Service

Students enrolled in the Health Sciences Center Lubbock campus access Student Health Services through the Health Sciences Center Family Practice Clinic located on the first floor of the Health Sciences Center.

Student Hospitalization Coverage

All students enrolled in Texas Tech University Health Sciences Center are expected to carry health insurance, either the University plan or a similar policy providing equivalent coverage.

University Counseling Center

The University Counseling Center offers a number of services to Texas Tech students including career, vocational, and academic counseling; personal problems, crisis intervention, and adjustment counseling; marital and premarital counseling; and group experiences such as interpersonal skills group and personal growth groups. A study techniques program, assertion training, relaxation training, and an occupational information reading room are also available. The Testing and Evaluation Division administers a wide variety of interest, ability, and personality tests. All of the above services are offered free of cost to Texas Tech Students. The Reading Improvement Program, national entrance examinations, and credit-by-examination tests are available at a nominal cost.

University Center

University Center (Lubbock) is one of the most popular buildings on campus of the out-of-class activities of the students. The center offers two ballrooms, a 1,000 seat theatre, a variety of snack bars, cafeteria, games area, meeting rooms, a covered court, lounge areas and T.V. areas. Recreation equipment in the games area included pocket billiards, snooker, shuffleboard, foosball, table tennis, cards, backgammon, chess, dominoes and coin-operated amusement machines.

Other services offered by the University Center include check cashing, copy center, lost and found, food catering, newsstand, ticket booth, automatic post office, bank and bulletin board advertising space for students and staff. The center is open from 7:30 a.m. until 10:30 p.m. on weekdays, 7:30 a.m. until 11:30 p.m. on Friday and Saturday, and 2 p.m. until 10:30 p.m. on Sunday during the academic year. The center is closed on Sunday during the summer.

The University Center plans and presents various cultural, social, educational and recreational programs each semester primarily for the student body. All students are eligible to work on the various committees that offer these programs where the motto is "Students programming for students." The Activities Office is also available for program advisement to campus organizations.

Student Activities

Texas Tech's constantly expanding program of student activities certainly has something for everyone: an outlet for creative talents, a chance to relax and

learn from others, and the opportunity to polish leadership skills.

Participation in student activities will be a happy and rewarding part of college life. Even on a large campus it's the individual who makes the team, club, newspaper, meeting, etc., possible.

For more information about student organizations or fraternities or sororities you may contact the Student Organizations Services Office at 742-3621 or The Dean of Students Office at 742-2192.

Professional Societies

The Iota Mu chapter of Sigma Theta Tau, the international nursing honors society was chartered in the Spring of 1988 having been preceded by a local honor society since 1983. Membership is by invitation and is based on outstanding scholarly activities. Further information is available through the Iota Mu chapter counselors or the Student Affairs office. Graduate students and seniors in the upper 10% of their class and juniors in the upper 5% of their class are eligible for nomination to Phi Kappa Phi — a national honor society which recognizes superior scholarship in all academic disciplines.

Student Council

The Student Council of the School of Nursing is comprised of 2 elected representatives from each of 4 undergraduate class levels and 1 student from the graduate level. This group is the "official" organization of the students. In addition to being responsible for internal matters, this group seeks representation on the Health Sciences Center Student Senate, which is comprised of students from all schools.

Nursing Students' Association

A local chapter of the Texas Nursing Students' Association is available. Membership in the TTUHSC chapter is voluntary in this pre-professional society. This award winning group is highly active at both school and state levels. Information is available in the TNSA chapter office or the Student Affairs office.

Ambassadors

The School of Nursing has a special student service group. Selection is competitive. Criteria are available in the Ambassadors' office or the Student Affairs office.

Graduate Student Network

The Graduate Student Network is available for students enrolled in the School of Nursing graduate program. The organization seeks to coordinate extra-curricular activities, provide a source of communication between graduate students and the school and collaborate with other student groups.

International Students

Almost 900 foreign students from about 75 countries are enrolled at Texas Tech University and the Health Sciences Center, bringing with them languages, value systems, and information about events and conditions in their countries. Such unique skills and viewpoints can be shared with American students to enhance their understanding of other countries and to enable Americans to see how they are understood by foreign students. The International Affairs office provides this cross-cultural exchange on the Texas Tech campus. See page 25 for requirements for international student admission to the School of Nursing.

Convocation

At the successful completion of NURS 3410 (the last nursing process course), students who have passed the Assess Test and have completed all lower division non-nursing courses are eligible to participate in Convocation, a formal ceremony held each December to recognize continuing progression in the upper division. During this public ceremony students receive a cap or tie, which has historical and cultural roots in West Texas and nursing.

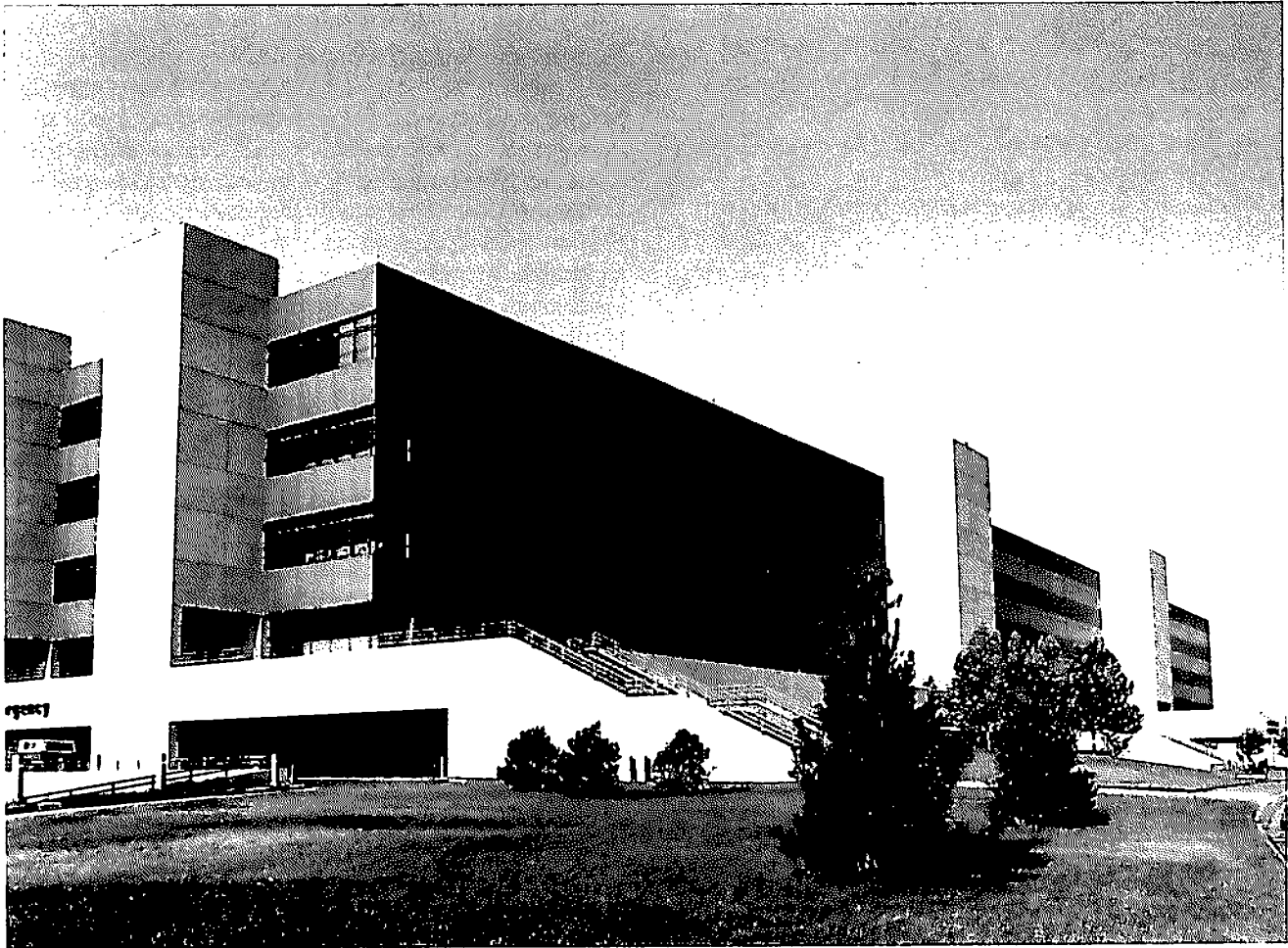
Graduation Awards

Awards are traditionally presented to outstanding graduates. The faculty developed the awards and criteria used in the selection. They select the winners by the elective process. The winners are announced during the Awards Ceremony at graduation each year. These awards at the undergraduate level are: Excellence in Writing, Excellence in Clinical Performance, Excellence in the Practice of Community Health, Human Potential Award, Outstanding Service to the School of Nursing, and Excellence in Reintegrated Nursing. Awards at the Master's level are: Excellence in Professional Nursing Practice, Charles W. Seargent Award, Excellence in Research, and Excellence in Reintegrated Nursing.

Library of the Health Sciences

The Library of the Health Sciences at Texas Tech University Health Sciences Center was developed in a record time span of 11 months, and presently contains more than 113,590 bound volumes. More than 1500 periodical titles published both domestically and in foreign countries are received and bound regularly.

There are branch libraries in the Amarillo, El Paso and Odessa campuses with a collection of about 77,000 volumes and growing daily. Besides offering its monographs and periodicals as a valuable reference collection, the library includes two Teaching - Learning Centers which house 3900 audiovisual titles, including films, videotapes, com-



puter-assisted instructional material and other non-print media to aid in the learning experience. Teaching devices such as a medical injectable teaching arm and a heart-sound simulator are available to students.

Computer searching of MEDLINE, TOXLINE, HEALTHLINE, and other medical data bases is offered via a direct link to the National Library of Medicine's computer in Bethesda, Maryland. Literature from the CUMULATIVE INDEX TO NURSING AND ALLIED HEALTH (CINAHL), is available on CD-ROM, as well as in the printed version.

Computer searching on a variety of subjects from education to agriculture is available through contracts with other data base vendors.

Student carrels and other student facilities are provided within the library and the Teaching-Learning Centers for students, faculty and residents.

Nursing students also have access to the Texas Tech University Library which contains more than 1.5 million items including U.S. Government documents and substantial holdings in the sciences and the Law Library.

Financial Information

Students bear only a small part of the cost of their education at Texas Tech since the University's and Health Sciences Center's main support comes from taxed paid by the citizens of Texas. Students in the Texas Tech University Health Sciences Center School of Nursing can expect to spend the following amounts:

\$25 application fee to be submitted with the application for admission. Applications will not be processed until the application fee is submitted. The application fee is not refundable. This fee is waived for students who are enrolled in Texas Tech University at the time of application to the Health Sciences Center. The fee is also waived for employees on at least a 9-month appointment, their spouses and dependent children under age of 25.

Immediate upon acceptance of an offer of admission the student pays: \$50 deposit which will be refunded at the beginning of the first semester, \$25 orientation fee that provides a student name tag, a sleeve patch and a 1-year subscription to the *American Nurse*. The orientation fee is not refundable.

**TUITION
(TTU and HSC)***

Baccalaureate Program
 \$28/credit hour (Texas residents)
 \$ 171/credit hour (non-residents)

Graduate Program
 \$42/credit hour (Texas residents)
 \$ 185/credit hour (non-residents)

**FEES
(TTU and HSC)**

Laboratory Fees (per lab course) (assessed only if student is enrolled in a lab course)	\$2 - \$30.00
General Use Fee (per credit hour)	\$12.00
Student Services Fee (per credit hour, maximum \$100.00)	\$8.35
University Center Fee (each semester)	\$20.00
Property Deposit (assessed one time only refundable upon graduation)	\$10.00
Computer Access Fee (per credit hour, maximum \$45.00)	\$3.00
Medical Services Fee (each semester)	\$45.00
Identification Card Maintenance Fee (each semester)	\$2.50
Liability Insurance (each fall semester per year)	\$14.50
Standardized Testing Fee (for selected nursing courses)	\$12.00
Course Fee	\$3.00 - \$45.00
International Education Fee (each semester)	\$1.00
Graduation Fee	\$35.00 (BSN) \$50.00 (MSN)
Clinical Course Fee (per course)	
1st Year students	\$15.00
2nd, 3rd, 4th and Graduate students	\$10.00
Identification Card Revalidation Fee	\$5.00
Information Technology Fee (per semester credit hour not to exceed \$25.00)	\$2.00
International Student Fee (non-immigrant international students only each summer session \$10.00; each semester)	\$20.00
Progressions Fee	
NURS 3410: all 3rd year students; NURS 4410: All non-RNs	\$60.00
NURS 4410: RNs only and graduate students upon enrollment in NURS 6000-thesis	\$30.00
Validation Fee (assessed in first graduate level clinical course)	\$50.00

* The minimum tuition for both TTU and HSC is \$100. School of Nursing students will pay the minimum at only one of the two institutions. For students taking courses at both TTU and HSC the minimum will be paid to HSC since HSC is the primary academic institution for nursing students.

HOUSING IN TTU RESIDENCE HALLS (optional)

The following amounts are based upon double room occupancy, 20 meals per week. Alternate meal plans are available.

FALL SEMESTER ONLY
\$ 1,935.12 - \$2,367.12

SPRING SEMESTER ONLY
\$ 1,290.08 - \$ 1,578.08

ENTER ACADEMIC YEAR
\$3,225.20 - \$3,945.20

MISCELLANEOUS EXPENSES

(approximate amounts)

Books and supplies
\$250/semester

Campus parking permit - Reserved dorm space
\$51 for 9 months

Commuter parking
\$35 for 9 months

These fees and tuition schedules are effective for Fall 1994.

Scholarships

The Financial Aid Director housed in the Health Sciences Center Student Services Office, is available for assistance with financial aid. The School of Nursing has the following dedicated scholarships — the Larabee, Roberts, Heath, Ford Bank Group, Franklin, Hearst, Holland, Ketner, Tinney, Presidential, President's Council, Graduate Potential for Excellence and the General scholarship. In addition, there are general scholarships and loans administered by the Financial Aid Director for which School of Nursing students are eligible. Some organizations such as the United Methodist Women, the Texas Tech Ex-Student Association, the Lubbock-Crosby-Garza Medical Auxiliary, Texas Higher Education Coordinating Board and the Lubbock Foundation provided scholarships on a consistent basis for nursing students. Some traineeships are available for graduate students. The application deadline is May 1 for the following academic year.

For further information, contact:

Earl Hudgins
Financial Aid Director
Texas Tech University
Health Sciences Center
Office of Financial Aid
3B310
Lubbock, Texas 79430
806-743-3025

BSN Program

Baccalaureate Degree Program Philosophy

The curriculum for the baccalaureate program in nursing is based upon the philosophy of the School of Nursing. Reintegration, as a guiding principle, is manifested in the construct of the curriculum to facilitate whole role development. Furthermore, we believe that nursing is "the process of assisting individuals, families or other groups, to meet basic human needs in order to achieve or maintain a desired state of health and to do so in a fashion which acknowledges the person as an integrated being, rather than as a series of isolated systems or functions, the family as an integrated system and the society as a whole." "Although nursing is closely related in both purpose and activity to other health care professions, it, like each of those other disciplines, has its own unique contributions. In contrast with many other disciplines whose primary focus is on cure, nursing's unique contribution is its interactive process which emphasizes care, that element which promotes the comfort of individuals and the development or restoration of their resources for self care.

While nursing care may be provided with a view toward the ultimate benefit of a family or a community, the basic units of interaction in the process of nursing care are the nurse and the individual patient(s) or client(s). As human beings, these individuals have in common certain requirements for basic existence and, past that, for certain conditions which make life satisfying and meaningful. These requirements serve to motivate the behavior of humans as interactive beings. Because each person's perceptions are affected by numerous factors, including inherited characteristics, cultural influences, learning experiences, beliefs and values, each individual's world is, in a way, unique. This uniqueness affects the way in which each person will interpret and act to meet his or her needs, both those for basic existence and also those for meaning and satisfaction. Whatever the person's view of life, he or she is worthy of respect as a person and of recognition of his or her rights and responsibilities as a human being. When the individual's needs are unmet for any reason, a threat to that person's well-being exists, since the person responds and interacts as a whole person, rather than as a series of discrete needs or as a two-part physical-mental unit. When well-being is threatened and the person does not have the desire, ability, skill, or knowledge to maintain or regain the desired level of well being, nursing care may be required to help the person regain the ability for self care or achieve a peaceful death.

Each person's attitudes and beliefs about health care are uniquely created by his/her other perceptions,

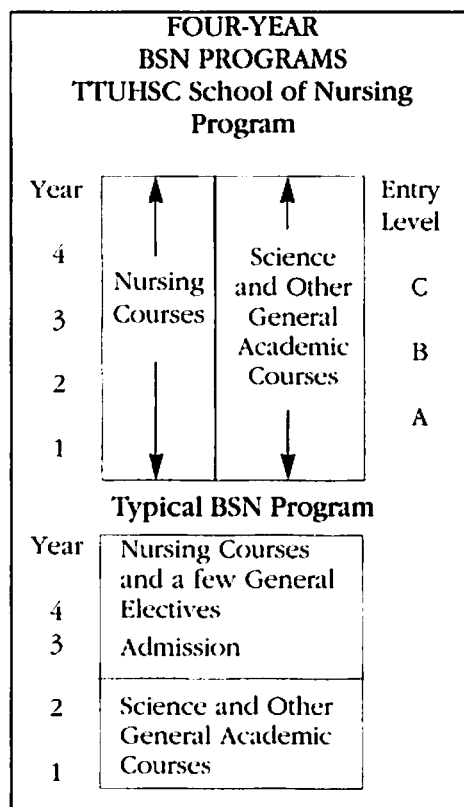
also. As a result, the level of expectation about health and the ability and willingness to participate in activities directed toward maintenance of good health and prevention of disease vary widely also. The nurse's function then, is to acknowledge each individual as a whole person, as a member of a family, group, and the community, and to provide nursing care in a manner consistent with that individual's personal frame of reference and directed toward increasing levels of personal responsibility and accountability for health.

Because these same individual characteristics are true of nurses and nursing students, we believe that professional nursing is best practiced and taught with holism² as a guiding concept, in understanding both the recipients of nursing care as well as the nurse. Both perspectives, nurse and recipient, are equally important since nursing is an interactive process. We believe the basic educational preparation for professional nursing is currently the baccalaureate degree in nursing. At this time, other educational programs have been created to provide other levels of practice or other practice roles based on a circumscribed scope of functions or a type of practice setting with unique needs. The fact that health care is constantly becoming more complex and the public's expectations in regard to health care continue to rise indicated that professional nursing care, with its greater scientific depth and wider scope, will be increasingly in demand. In light of this demand and the resulting educational needs, we believe that it is possible for a curriculum to acknowledge and capitalize upon the education and experience gained by some of those prepared for other levels of nursing backgrounds for professional nursing practice. For this reason, we are committed to a curriculum plan which acknowledges previous learning and culminates in the baccalaureate degree.

As an interactive process, nursing is practice in collaboration with other health care providers in preventing illness, maintaining health and alleviating the effects of disease upon people. In order to achieve collaboration, graduates of nursing education programs must be geared to practice competently, apply research findings as appropriate and maintain functional competence in nursing practice. In addition, they must value their own competence and the contribution of other health care professionals and practice in the communication skills basic to collaboration.

Education for professional nursing practice is based on a process which prompts students to integrate principles, facts, and theories from natural and behavioral sciences, the liberal arts, the humanities and medical science with nursing science to produce a core of knowledge underlying nursing practice. This basic core is augmented by experiences

designed to help the student prepare to function generally as a member of a professional group and in several roles in nursing practice in entry level positions. Both of these sorts of educational experiences (core preparation and role preparation) are required to produce the knowledge, abilities, and attitudes necessary for the professional practice of nursing. The student's role in this educational process is to assume responsibility for learning and to achieve increasing levels of self-direction in pursuit of learning and in accepting accountability for professional performance. The role of the faculty includes setting standards for student achievement, designing learning experiences which will prompt the student to achieve those standards, creating opportunities for personal and professional enrichment for students, evaluating the curriculum and serving as role models in clinical practice, in addition to other functions appropriate to university faculty. The increasing self-direction of students can only be ensured when faculty are committed to related change in their own roles in the teacher-student interaction, moving from that of relatively directive



The unique design of the Texas Tech University Health Sciences Center School of Nursing allows the student to begin nursing courses UPON ENTRY to the FOUR-YEAR PROGRAM, as illustrated. Unlike the more typical BSN programs, also illustrated, Texas Tech has NO PREREQUISITE non-nursing courses. A student with NO NURSING BACKGROUND should expect to be enrolled for at least four years after he / she begins the program. Licensed Vocational Nurses and Registered Nurses attending full-time should expect to be enrolled for at least three and two years respectively.

1 "Statement of Philosophy", Texas Tech University Health Sciences Center School of Nursing, 1987.

2 "The philosophical theory, based on the presumption of emergent evaluation, that entirely new things or wholes are produced by a creative form within the universe. They are consequently more than mere rearrangements of particles that already exist. In other words, an entity is greater in its wholeness than in the sum of its parts, and a new plateau of existence is reached when this new wholeness is obtained." *Inner Balance: The Power of Holistic Healing*, Elliott M. Goldwag, ed. (Englewood Cliffs, N.J.: Prentice-Hall, Inc.) 1979, p. 4-5.

expert to collaborative mentor. As students progress through the program, they become increasingly responsible for their own academic and clinical career development. Finally, the faculty believe that in our time, an age of rapid challenge, educational programs, especially those preparing practitioners for human services, must be constantly open to orderly efforts towards improvement and adaptation.

Baccalaureate Program Purpose and Objectives

The purpose of the Baccalaureate Degree Program is to provide educational and experiential learning opportunities in liberal arts, natural and behavioral sciences, humanities, and nursing arts and sciences, for students desiring to enter professional nursing practice - a practice that not only considers the client as a whole by also considers professional nursing practice as a reintegrated whole.

The baccalaureate program is designed to produce a graduate who is prepared to enter practice as a professional nurse. This graduate is one who:

1. synthesizes elements of the programmatic conceptual framework to provide nursing care to individuals, families, and groups in accordance with accepted standards of care. In providing this care the graduate
 - bases nursing care decisions and actions on theories and concepts from a variety of basic and applied sciences;
 - uses a systematic process to unite the collection of relevant information and the activities of critical thinking and evaluation with the various techniques of nursing intervention, producing comprehensive professional nursing care;
 - acknowledges individual human differences resulting from biological, psychological sociocultural factors as elements affecting both providers and recipients of care;
2. functions as a competent reintegrated nurse generalist in a variety of entry level professional nursing positions;
3. manages the provision of elements of nursing care in health care organizations by other nursing personnel;
4. accepts personal accountability for practice based upon an understanding of legal and ethical factors affecting nursing practice and a recognition of continued learning as a basic requirement for professional competence;
5. collaborates with other health care professionals and professional nurses in providing comprehensive health care;
6. analyzes scholarly work in nursing critically to gain further knowledge and to determine the relevance

of that work for incorporation into nursing practice; and

7. participates in activities directed toward the improvement of nursing practice and the development of the nursing profession.

DEGREE REQUIREMENTS Residence Credit

The minimum actual residence required of each student is 30 hours at Texas Tech University and Texas Tech University Health Sciences Center, including 15 hours in nursing courses taken for a grade. The remaining hours may include correspondence course work, and credit by examination. Students on the Lubbock campus are required to take the final 15 credit hours for the baccalaureate degree in residence.

The term "residence" as a degree requirement should not be confused with "residence" in the State of Texas for enrollment purposes. Residence credit as used here means credit for work done while enrolled in and attending classes at Texas Tech University/ Texas Tech University Health Sciences Center.

General Education Requirements

The State of Texas has established general education requirements for all students completing a degree in public institutions of high education. Briefly, these requirements will ensure breadth in each academic program.

Students entering Texas Tech University Health Sciences Center must consult their academic advisor regarding specific general education course requirements. Students are urged to seek advisement prior to their first enrollment to avoid losing credit. Categories of general education requirements, semester hour credit required and courses required per category are as follows:

Composition/Written Communication (6 SCH):

ENGL 1301 - Essentials of College Rhetoric
ENGL 1302 - Advanced College Rhetoric

Cross Culture Studies (6 SCH):

PSY 1300 - General Psychology

AND

SOC 1301 - Introduction to Sociology

OR

ANTH 2301 - Cultural Anthropology

History (6 SCH):

HIST 2300 - History of the U.S. to 1877

HIST 2301 - History of the U.S. since 1877

Literature / Humanities (3 SCH) (Designated Elective):

Any 3 SCH course from the following list:

ANTH 3323, 3325, 3346, 3351

ARCH 1212, any course in architecture history

ART All art history courses except 3311 and 3319

A & SH 3301

CLAS 1320, 3320, 3330, 3350
 COMS 3311
 DAN 3313
 ENGL Any English course in literature or linguistics. Excluded are courses in technical writing and creative writing.
 HIST Any history course not used to fulfill the General Education American History requirement.
 HUM 2301, 2302
 LAAS 2300, 4300
 LARC 3302
 MUHL 1301, 1302, 1308, 2301 (Music majors), 2302 (Music majors), 2308, 2309, 3304, 3308
 PHIL 2300, 2320, 3301, 3302, 3303, 3304, 3305, 3320, 3322, 3324, 4320, 4323, 4330, 4331, 4332, 4340, 4341
 POLS 3330, 3331, 3332, 3333, 3334
 THA 2303, 2304, 2305, 3308, 3309
 Any foreign language beyond the 2nd semester course level

Mathematics (6 SCH):

LOGIC:

PHIL 1310 - Reasoning

OR

PHIL 2310 - Logic

AND

STATISTICS:

MATH 2300 - Statistical Methods

OR

PSY 3402 - Statistical Methods

OR

SOC 3391 - Introduction to Social Research

Physical and Life Sciences (21-23 SCH):

CHEM 1305 & CHEM 1105 - Essentials of Chemistry I and Lab

AND

CHEM 1306 & CHEM 1106 - Essentials of Chemistry II and Lab

OR

CHEM 1307 & CHEM 1107 - Principles of Chemistry I and Lab

AND

CHEM 1308 & CHEM 1108 - Principles of Chemistry II and Lab

OR

C S 1300 - Computers and Modern Society (RNs only)

OR

C S 1305 - Introduction to Computer Science (RNs only)

OR

C S 3462 - Introduction to Artificial Intelligence (RNs only)

ZOOL 2403 - Human Anatomy and Physiology I

AND

ZOOL 2404 - Human Anatomy and Physiology II

AND

MBIO 3400 - Microbiology

AND

F&N 3320 - Nutrition and Diet Therapy for Allied Health Professionals OR

F&N 3325 - Nutrition and Diet Therapy, and Addiction

OR

F&N 3340 - Human Nutrition

Political Science (6 SCH):

POLS 1301 - American Government Organization

POLS 2302 - American Public Policy

Visual and Performing Arts (3 SCH) (Designated Elective):

Any 3 SCH course from the following list:

ARCH 1341, 1342

ART all studio courses

A & SH 3304

DAN 1204

FADS 1301

LARC 3306, 3307

MUAP 1001, 1002, 2001, 2002, 3001, 3002, 4001,

4002, 1123, 1124, 1223, 1224, 2123, 2124, 2133, 2134, 3205

MUCP 1201, 1202

MUEN 3101, 1302, 3103, 3104, 3105, 3106, 3201, 3202, 3203, 3204

MUTH 1300, 1301, 1403, 1404

THA 2301, 2302, 4303

Required History and Political Science

Under state law, all students who receive a bachelor's degree from a state-supported institution must complete 6 hours in American History. Students will normally fulfill this requirement by completing HIST 2300 and 2301. However, this requirement may be satisfied by completing any 6 hours from among the upper division American History courses listed under the Department of History portion of the Texas Tech University catalog. Also, 3 semester hours in the History of Texas may be substituted for 3 of the American History hours. (Students who receive the maximum of 6 hours credit by examination for HIST 2300, 2301 must take or have taken an additional 3 hour classroom U.S. History course to meet the state requirement for graduation.)

Under state law, all students also must have received credit for 6 semester hours of in Political Science, covering the federal and Texas constitutions. Students will normally fulfill this requirement by completing POLS 1301, which is a prerequisite for all other Political Science courses, and POLS 2302. If a student earns a grade of A or B in POLS 1301, he/she may substitute in place of POLS 2302 one of the upper level courses designated (by an asterisk) in the course list under the Department of Political Science portion of the TTU catalog. (Permission of the instructor may be required for such substitution.)

(Students who receive the maximum of 6 hours credit by examination of POLS 1301, 2302 must take or have taken an additional 3 hour classroom Political Science course to meet the state requirement for graduation.

Minimum Grade in Science Courses

Students are required to make a minimum grade of "C" in both Chemistry courses and labs, both Human Anatomy and Physiology courses, Microbiology and Advanced Integrated Life Science (HSN 3410) to receive credit for the degree. These courses may not be taken pass/fail.

Graduation Under a Particular Catalog

A student is expected to complete the degree requirements set forth in a particular School of Nursing *Bulletin*. Normally this will be the catalog in effect at the time the student enters the program. Only with the specified approval of the academic dean may a different catalog be selected. In no case may a student complete the requirements set forth in a catalog more than seven years old. When necessary, a catalog issued later than the student's first registration may be selected by the academic dean in conference with the student.

The School of Nursing *Bulletin* is published at least biennially, and its provisions are applicable during the following school year, September through August. However, a student who registers for the first time in the University or Health Sciences Center during a summer session is subject to the degree requirements set forth in the catalog effective for the fall semester immediately following the initial enrollment.

Texas Assessment of Skills Program (TASP)

The Texas State Education Code requires that all students "...who enter public institutions of higher education in the fall of 1989 and thereafter must be tested for reading, writing and mathematical skills." This includes all "...full-time and part-time freshmen enrolled in a certificate or degree program...", any non-degree students prior to the "accumulation of nine or more (college) credit hours or the equivalent," and "...any transfer students with fewer than 60 semester credit hours or the equivalent who has not previously taken the test."

Performance on the test will not be used as a condition of admission.

A student may not "...enroll in any upper division course (the) completion of which would give the student 60 or more semester credit hours or the equivalent until the student's test results meet or exceed the minimum standards in all test scores." Other assessment procedures may be used in exceptional cases to allow a student to enroll in upper division courses

"...in cases where student test results do not meet minimum standards" (Texas Education Code, Sec. 51.306).

The test fee will be paid by the student.

Second Bachelor's Degree / Minor

No second bachelor's degree is conferred until the candidate has completed at least 24 semester hours in addition to the courses counted toward the first bachelor's degree. Because most second degree opportunities exist at the University, early consultation with the academic dean is advised.

Students with interests in other fields may pursue a minor in addition to the BSN. Approval for a minor is obtained by both the major and minor advisor after consultation with both. A minor is not noted on the transcript or the diploma.

CURRICULUM PATTERN BACHELOR OF SCIENCE IN NURSING	
Total semester hours required for degree	134
Required non-nursing course hours	54-56
Non-nursing elective hours (minimum)	9
Required nursing course hours	65
Nursing elective hours (minimum)	6
Total elective hours necessary in degree plan (nursing & non-nursing)	15
Nursing course ratio of clinical hours / semester credit hours	3:1

DEGREE REQUIREMENTS

Non-Nursing	Credit Hours
English	6
History	6
Political Science	6
Psychology	3
Sociology or Anthropology	3
Chemistry	*6-8
Anatomy and Physiology	8
Nutrition	3
Logic or Reasoning	3
Microbiology	4
Statistics	3
Advanced Integrated Life Science	4
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Required non-nursing courses	54-56
Designated non-nursing electives	6
Free non-nursing electives	3
	<hr/>
	63-65
<hr/>	
Nursing	Credit Hours
Required nursing courses—Lower Division	30
Required nursing courses—Upper Division	35
	<hr/>
Required nursing courses—Total	65
Upper Division nursing electives	6
	<hr/>
	71
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Combined Requirements	Credit Hours
Nursing credits	71
Non-nursing credits	63-65
	<hr/>
Total semester credit hours required for degree	134

* R.N. students may substitute a "science" course for one Chemistry course. See Programmatic Associate Dean for details.

REQUIRED NON-NURSING COURSES

Required Lower Division Courses

English 1301	Essentials of College Rhetoric (3:3:0)
English 1302	Advanced College Rhetoric (3:3:0)
Psychology 1300	General Psychology (3:3:0)

Sociology 1301 OR Anthropology 2302	Introduction to Sociology(3:3:0) Cultural Anthropology (3:3:0)
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Chemistry 1305 and Laboratory 1105	Chemistry and Society I (3:3:0) Chemistry and Society I Lab (1:0:3)
Chemistry 1306* and Laboratory 1106	Chemistry and Society II (3:3:0) Chemistry and Society II Lab (1:0:3)

OR

Chemistry 1307 and Laboratory 1107	Principles of Chemistry I (3:3:0) Principles of Chemistry I Lab (1:0:3)
Chemistry 1308 and* Laboratory 1108	Principles of Chemistry II (3:3:0) Principles of Chemistry II Lab (1:0:3)

Zoology 2403	Human Anatomy and Physiology I (4:3:3)
Zoology 2404	Human Anatomy and Physiology 11 (4:3:3)

Food and Nutrition 3340 OR	Human Nutrition (3:3:0)
Food and Nutrition 3320	Nutrition and Diet Therapy for Allied Health Professionals (3:3:0)
OR	
Food and Nutrition 3325	Nutrition, Diet Therapy and Addiction (3:3:0)

Microbiology 3400	Microbiology (4:3:4)
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Additional Courses Required for Degree

History 2300	History of the United States to 1877 (3:3:0)
History 2301 **	History of the United States since 1877 (3:3:0)
Political Science 1301	American Government Organization (3:3:0)
Political Science 2302**	American Public Policy (3:3:0)

Philosophy 2310 OR Philosophy 1310	Logic (3:3:0) Reasoning (3:3:0)
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Mathematics 2300	Statistical Methods (3:3:0)
Psychology 3403 OR Sociology 3391	Statistical Methods (4:3:2) Introduction to Social Research I (3:3:0)

HSN 3410	Advanced Integrated Life Science (4:4:0)
Designated Elective- Literature/Humanities	3 Credits
Designated Elective - Visual/Performing Arts	3 Credits

Non-nursing Elective Free	3 Credits
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* R.N. students may substitute a "science" course for one Chemistry course. See Programmatic Associate Dean for details.
** see page 19.

REQUIRED NURSING COURSES

Lower Division

NURS 1400	Human Development and Human Behavior (4:4:0)
NURS 1420 (CL)	Nursing Process I—Techniques of Basic Assessment and Intervention in Nursing (4:1:9)
NURS 1300	Adaptation, Dysfunction and Pathological Processes in Humans I (3:3:0)
NURS 1500 (CL)	Nursing Process II—Nursing in Conditions of Human Adaptation, Dysfunction and Pathology (5:1:12)
NURS 1410 (CL)*	Basic Concepts for Professional Nursing Process (4:3:3)
NURS 2300	Adaptation, Dysfunction and Pathological Processes in Humans II (3:3:0)
NURS 2500 (CL)	Nursing Process III—Nursing in Conditions of Human Adaptation, Dysfunction and Pathology (5:1:12)
NURS 2200	Concepts of Family and Group Development and Interaction (2:2:0)
NURS 2400 (CL)	Nursing Process IV—Nursing of Childbearing and Child Rearing Families—Adaptation, Dysfunction and Pathological Processes (4:2:6)

Upper Division

NURS 3410 (CL)**	Nursing Process V Comprehensive Nursing Care (4:1:9)
NURS 3100	Wellness and Illness, Concepts of Health and Views of Health Care Providers (1:1:0)
NURS 3200	Pharmacology in Complex Health Care Situations (2:2:0)
NURS 3310	Teaching in Health Care Situations (3:2.5:1.5)
NURS 3320	Nursing History, Philosophy and Issues (3:3:0)
NURS 3600 (CL)	Roles in Nursing Practice I—The Nurse as a Decision Maker in Acute Care Settings (6:2.5:10.5)
NURS 4600 (CL)	Roles in Nursing Practice II—The Nurse as a Collaborating Professional in Community Health Settings (6:2.5:10.5)
NURS 4200	Systematic Inquiry in Nursing (2:2:0)
NURS 4410 (CL)	Roles in Nursing Practice III—The Nurse as a Manager of Nursing Care (4:1:9)
NURS 4420 (CL)***	Roles in Nursing Practice IV—The Nurse as a Reintegrated Competent Professional (4:1:9)
Nursing Electives (6 credits)	

The following pairs of courses are companion courses, generally to be taken concurrently.

NURS 1400 and NURS 1420 (CL)	NURS 2300 and NURS 2500 (CL)
NURS 1300 and NURS 1500 (CL)	NURS 2200 and NURS 2400 (CL)

*LVN ENTRY NURS 1410 (CL) cannot be completed by advanced placement, transfer, or credit by examination. LVN Licensed Vocational Nurses entering with advanced standing in nursing courses or transfer of credit complete this course with a grade of C or better as prerequisite to progression to 2000 level nursing courses.

**RN ENTRY NURS 3410 (CL) cannot be completed by advanced placement, transfer, or credit by examination. All Registered Nurses entering with advanced standing or transfer of credit complete this course with a grade of C or better as prerequisite to upper division study.

***NURS 4420 (CL) cannot be completed by advanced placement, transfer, or credit by examination.

Grade Points

The grades of A, B, C, and D earn grade points of 4, 3, 2, and 1, respectively, multiplied by the number of semester hours of credit value for the course in which the grade is received. All other grades have no grade points assigned them.

Grade Point Averages

The School of Nursing uses three grade point averages (GPA) to determine progressions within the program:

1. The nursing GPA for a semester is determined by dividing the total number of grade points acquired during that semester by the total number of semester hours taken in nursing in which the student was registered, exclusive of courses in which a grade of W is received.
2. The semester GPA is determined by dividing the total number of grade points acquired during that semester by the total number of semester hours of all courses (both TTU and TTUHSC) in which the student was registered in that semester, exclusive of courses in which a grade of W is received.
3. The overall cumulative GPA is obtained by dividing the total number of grade points earned in all courses taken in the degree program at TTU and TTUHSC by the total number of semester hours of all courses taken in the degree program for which the student has registered at TTU and TTUHSC, including hours of F and WF. Repeated registrations are counted in the total.

A student may repeat courses for credit with the prior approval of the academic dean. When a course is repeated, both grades are used in calculating the GPA and both grades appear on the transcript.

Only courses taken and grades received at TTU and TTUHSC are used in calculating GPAs.

Grading Practices

A grade is assigned for all courses in which a student is regularly enrolled during any semester or summer term. Only through regular enrollment can a grade be earned. A passing grade may be earned only if the student is enrolled for the duration of the course and a grade, once given, may not be changed without the approval of the student's academic dean.

Grades and their interpretations are: A, excellent; B, good; C, average; D, inferior (passing, but not necessarily satisfying degree requirements); F, failure; P, passing; PR, in progress; I, incomplete; W, withdrawal; WF, withdrawal failing. The letter R designates a course repeated.

The grade of I is given only when a student's work is satisfactory in quality but, due to reasons beyond his or her control, has not been completed. It is not given in lieu of an F. The instructor assigning the

grade will stipulate, in writing, at the same time the grade is given the conditions under which the I may be removed. The I will be replaced with an F after it has remained on record for a year without completion. The I may be replaced by an R if the course is repeated. The appropriate grade will be given for the second registration.

A PR is given when a course may extend over more than one semester. A PR in a course requires the student to register in the course for the following semester and consequently the student will pay additional tuition for the course.

The grade of W is given for a course officially dropped during the first five weeks of a term or appropriate time in summer terms and for a course officially dropped after that time, provided the student's work is passing at the time the course is dropped. A student should continue to attend a class until authorized by the academic dean to drop a course.

After the first five weeks of a semester, the grade of WF is given when the student's work is not passing at the time the course is dropped or when the student is required by the dean to drop the course for failure to attend the class.

An X is shown on the grade report in those instances where, for any reason, one of the above grades is not reported by the faculty. The designation X is not used in determining grade point averages.

Grade point averages are calculated at the end of the Fall and Spring semesters and at the end of Summer Session II. Credits attempted and points earned at both the Health Sciences Center and the University constitute the basis for grade point average consideration.

Health Requirements

In addition to the health history which is required upon admission, each student is expected to have a yearly update of the health record including tuberculin screening tests and required immunizations. These completed records are a requirement for progression each year and are the responsibility of the student. Failure to maintain all the health requirements stated in the *Student Handbook* may result in exclusion from clinical practice.

CPR Certification

All students are expected to obtain and maintain certification in Cardio-Pulmonary Resuscitation. During the first semester of enrollment, students may avail themselves of the opportunities provided by the School of Nursing's Nursing Center for certification, or they may become certified by any other certification program within the area. Proof of certification, however, is expected and must be presented to the Coordinator of the Clinical Simulation Center.

Students will be notified annually thereafter as their CPR is about to expire by the academic dean for their program.

First Aid Certification

All students enrolled in any one thousand (1000) level Nursing course, except students currently certified and/or licensed as a health care provider, must show proof of certification in First Aid. This certification, which is obtained through a First Aid Course approved by the American Red Cross, must be acquired prior to entrance into the clinical setting and must be maintained throughout the 1000 level courses. Compliance is monitored by the academic dean.

Minimum Academic Requirements

The minimum grade point average for continuance in the Baccalaureate Program is 2.0 in each semester, 2.0 overall cumulative, and 2.0 in each nursing course. A student who earns less than these requirements will receive progressions action which may range from repetitive work to dismissal. Courses in which the grade W is received are not counted in determining total hours attempted by the student.

A student who receives a grade of D or lower in a nursing course is eligible to repeat that course one time upon recommendation of the course director. A student may repeat only two courses. Failing two or more nursing courses in a semester, failing one course two times, or failing a third nursing course in the program is cause for academic dismissal. Students having less than a 2.0 overall cumulative in the semester of graduation are ineligible for graduation.

Continuation in the Upper Division— Baccalaureate Program

A student may participate in the Convocation Ceremony and continue progression in the upper division in the nursing major when the following conditions are met:

1. The cumulative grade point average is 2.0 or above.
2. All lower division course requirements are complete.
3. The faculty in NURS 3410 recommend the student for continued progression in the upper division as indicated by a grade of C or better in the course and a specific narrative statement describing the student's level of performance.
4. The student has taken and passed the comprehensive test given in conjunction with NURS 3410.

Semester Hours and Course Loads

The semester hour is the unit of measure for credit purposes. Didactic hours are measured on a one-to-one basis; clinical/laboratory hours are on a one-to-three basis. The student is expected to spend approximately two hours in preparation for each hour of lecture or recitation and an appropriate amount of time for preparation for clinical activity.

The number of semester hours a student may carry (course load) is regulated by the academic dean. In determining this load, the academic dean takes into account the quality of scholastic work performed by the student, the types of courses involved, the student's health and extracurricular interests and activities. Specific permission is needed to enroll in more than 20 hours per semester.

Nurse Entrance Test

Generic and LVN entering students are required to take the Nurse Entrance Test (NET) upon enrollment in the School of Nursing. The test is given during new student orientation. The NET is designed to assist the student by identifying essential elements that will predict success in the baccalaureate program.

Comprehensive Examination For Graduation

Each generic and LVN student must take and pass the comprehensive exam given in conjunction with NURS 4410 in order to graduate.

Eligibility To Take NCLEX-RN Exam

An individual with a criminal/mentally ill/chemically dependent background should be aware that Texas may deny you permission to take the NCLEX-RN exam and may refuse licensure to practice. Those who can answer "yes" to any one of the following questions need to request a declaratory order from the Board of Nurse Examiners prior to submitting an application to the School of Nursing.

1. Have you ever been convicted of a crime other than a minor traffic violation?
2. Have you ever been hospitalized or treated for mental illness and/or chemical dependency?
3. Have you ever had disciplinary action taken against you by a licensing authority for nurses (LVN/LPN)?

You may request a declaratory order by contacting:
Education/Examination Department
Board of Nurse Examiners
P.O. Box 140466
Austin, Texas 78714

BSN Program Admission Information

Applicants can seek admission to the School of Nursing through one of the three applicant groups which reflect the three entry points in the school's curriculum. Those three applicant groups are described below:

- A. Entering freshmen or those with no previous nursing education background. This group would include those entering directly from high school as well as those with college credit in non-nursing courses.
- B. Vocational Nurses—This group comprises graduates of state-approved practical or vocational nurse programs who hold a current license to practice vocational nursing in Texas.
- C. Registered Nurses—Licensure to practice as a registered nurse and graduation from a program accredited by the National League for Nursing are the requirements for consideration in this applicant pool.

Although the general qualities of students considered in determining admission are the same for each entry point (each applicant pool), the information which can be provided by applicants to each of those points varies. Therefore, the materials required for admission consideration vary from one applicant group (entry point) to another. The general qualities which are considered in selecting students at each entry point are:

1. Academic performance and aptitude;
2. Ability to perform capably in positions of responsibility for self and others;
3. Experience with individuals of cultures other than their own; and
4. Career commitment to nursing.

Applicants to the B.S. in Nursing program should identify the entry point to which they seek admission (A, B, or C above). Following that, they should consult the information below to determine their basic eligibility for *consideration* at that level. Then, based on an understanding of these applicant pools and the *minimum standards* for admission consideration, potential applicants may secure application materials or additional information (see Application, p. 26). Admission to the nursing program is highly competitive and selective.

Reconsideration of Old Grades

Undergraduate students may choose to request that the grades for all non-nursing courses greater than 10 years old not be considered in the GPA for admission

to the School of Nursing. If the student chooses this option, the student will have to retake any and all courses that maybe required for the degree.

*LVNs or RNs who completed their nursing programs more than 10 years ago are not eligible for this option.

**Minimum Standards for Consideration for Admission
(by Entry Level)**

A. Entering Freshmen

With less than 30 credit hours from an accredited college or university:

1. Graduation from an accredited high school with class rank and ACT or SAT scores in one of the following categories:

<i>High School Class Rank</i>	SAT	ACT
Top Ten Percent	No minimum	
First Quarter	900	22
Second Quarter	1100	27
Lower Half	1200	29

2. Presentation of the following units of high school credit:

	Whole Units
English	4
Mathematics (such as algebra, geometry, trigonometry)	4
Social Science	4
Lab Science	3
Foreign Language	3
Health	1/2
Fine Arts	1
Physical Education	1 1/2
Computer Science	1
Electives	2 1/2
Total	24 1/2

3. A minimum score on either the SAT or ACT exam. (currently 900-SAT; 21-ACT) (Verbal and Math scores from the same SAT test date are used.)
4. Cumulative grade point average of 2.0 or higher. Historically, G.P.A.s over a 3.0 have been competitive.
With 30 or more credit hours from an accredited college or university:
1. Cumulative grade point average of 2.0 or higher. Historically, G.P.A.s over a 3.0 have been competitive.

B. Licensed Vocational Nurses

1. High school graduation or G.E.D. equivalent. (If G.E.D. is less than five years old, applicants are required to take Texas Tech University's Non High School Graduate Test.)
2. Graduation from a state-approved program of vocational or practical nursing.

3. Class standing in the nursing program, year of graduation, at or above the 70th percentile and a cumulative grade point average of 2.0 or higher.
4. Current licensure to practice as a vocational nurse in Texas.

C. Registered Nurses

1. Graduation from a National League for Nursing accredited school of nursing.
2. Class standing, at graduation, at the 50th percentile or above or a cumulative grade point average of 2.0 on 30 or more semester hours of credit at an accredited college or university.
3. Current licensure to practice as a registered nurse in Texas.

Admission of International Students

Graduates of foreign secondary schools who have completed the equivalent of at least an American high school diploma may apply for admission to Texas Tech University Health Sciences Center School of Nursing by writing to the Admissions Office. With the official application form, international applicants must furnish original documents, or official certified copies, indicating the nature and scope of their educational program. Students whose native tongue is not English must also present a score of least 550 on the Test of English as a Foreign Language (TOEFL), unless they have graduated from a U.S. high school with a minimum of two years attendance. (This includes permanent residents of the United States as well as transfer students.) Information concerning the TOEFL may be obtained from Educational Testing Service, P.O. Box 899, Princeton, New Jersey 08540, U.S.A. Further testing may be given once the student arrives on campus to verify competency. Students lacking adequate English proficiency will be required to enroll in basic English courses.

International students who are not in the United States at the time of application should apply a year in advance. International students will not be admitted to the Health Sciences Center until they can prove their ability to support themselves financially (a minimum of \$10,880 for the academic year in addition to travel money is necessary; this is subject to change if tuition, fees, or room and board charges are modified). The tuition rate for international students is \$171 per semester hour.

A nonrefundable application fee is required for all non-U.S. citizens who are not now permanent residents of the United States. Applicants will not be considered unless their applications are accompanied by an International Money Order in the amount of \$50 (U.S.), or U.S. Postal Money Order for applicants in the U.S., payable to Texas Tech University Health Sciences Center.

International students are required to submit a copy

of their visa upon admission. Permanent residents are required to submit a copy of their resident alien card upon admission.

Application

All qualified applicants are carefully evaluated by the appropriate committee with regard to their potential for successfully completing a professional curriculum.

Transcripts, test scores, and other application information constitute the core factors for admission.

There is no discrimination based on race, creed, sex, disability or national origin.

Applicants with completed forms and appropriate supporting materials constitute the pool of applicants considered for admission. It is the student's responsibility to monitor the status of his/her application.

All information required for an application must be furnished accurately and completely. Intentional falsification of any part of the application information is cause for dismissal from the School of Nursing.

Notification of admission occurs from as soon after the application submission deadline as the application is complete until the class is filled.

Applicant response to the admission acceptance offer must occur within two weeks. A deposit fee (refundable) and orientation fee (non-refundable) is due on acceptance.

Application packets for the School of Nursing are available from:

Student Affairs Office
School of Nursing
Texas Tech University
Health Sciences Center
Lubbock, Texas 79430
(806) 743-2737

OR

Texas Tech University
Health Sciences Center
School of Nursing (Permian Basin)
Odessa, Texas 79761
(915) 335-5150

A \$25 application fee is required.

Recognition of Previous Learning

The basic premise of TTUHSC's unique baccalaureate degree program in nursing includes an emphasis on acknowledging previous learning in order to provide for career mobility unhampered by unnecessary delays. This is, of course, balanced against a concern for maintaining high quality in the educational program and assuring the public of the quality of the education of graduates. In order to provide recognition of previous learning, the previous academic activities of all students admitted will be analyzed to determine their placement in the program and the

specific program required for degree completion. Three different methods are used, depending on the student's background, to acknowledge previous learning. They are transfer of credit, credit by examination, and advanced placement. Those methods and the policies related to each are described below.

A. Transfer of Credit

In general, all credit hours with a grade of C or higher earned at another accredited educational institution will be accepted for transfer to Texas Tech University Health Sciences Center School of Nursing. Application of these credits toward the degree are based on analysis of course equivalents with those courses required for the degree.

The number of credit hours acceptable for transfer from a junior college should not exceed one-half of the total number of hours required for the degree program.

Applicants should consult the advisor in the school to identify specific course equivalencies for transfer.

The following procedures shall be followed by public institutions of higher education in the resolution of transfer disputes involving lower division

- (1) If an institution of higher education does not accept course credit earned by a student at another institution of higher education, that institution shall give written notice to the student and the other institution that the transfer of the course credit is denied;
- (2) The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and/or guidelines;
- (3) If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within 45 days after the date the student received written notice of the denial, the institution that denies the transfer of the course credit shall notify the Commissioner of its denial and the reason for the denial.

The Commissioner of higher education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.

B. Advanced Placement

Students who are graduates of diploma or vocational certificate programs in nursing are eligible to receive advanced placement in the nursing program.

Decisions regarding the specific level of advancement are based on careful review of the student's previous academic background by the academic Dean and subsequent validation of that previous learning.

C. Credit by Examination

It is the general policy of the University, Health Sciences Center, and School of Nursing to recognize academic achievement of students gained by means other than through performance in organized classes. Students will be given the opportunity to receive credit by examination in all courses where proficiency may be practicably determined by examination. In the University, a grade of Pass (P) will be given on the examination to those earning credit. Cr is used in the Health Sciences Center, but the grade will not be considered in determining grade point averages. Course credit earned by examination is recorded by the University registrar on the student's transcript as "(Number) hours of credit via credit by examination in (course equivalent)," or by the Health Sciences Center registrar as "(Course number)-Cr," and no grade points are awarded. Credit by examination may be used to satisfy 15 of the 30 hour minimum residence credit requirement for graduation. The student is responsible for complying with the following procedures:

1. The student is responsible for having test scores sent to the School of Nursing office and for completing tests for lower level courses in sufficient time to qualify for registration for higher level classes.
2. After the 12th class day, credit by examination may be attempted for a University course one is enrolled in only upon written approval of the academic dean's office.

Credit earned will not be awarded until the student enrolls at the University or Health Sciences Center. There are four separate programs by which a student may earn course credit by examination. These include:

1. Specified College Entrance Examination Board (CEEB) Achievement Tests.
2. CEEB Advanced Placement examinations which are a part of the Advanced Placement Programs (APP) available in a limited number of secondary schools.
3. Specified subject examinations on the CEEB College Level Examination Program (CLEP).
4. Departmental examinations prepared, administered, and scored by faculty members who teach the related course.

The student is responsible for taking tests early enough to allow sufficient time for scores to be reported to the University and the Health Sciences Center and to be processed by the School of Nursing. Many courses in the credit by examination program are prerequisites for higher level courses; therefore, student seeking credit by examination must plan ahead so that this credit can be assured before registering for advanced courses. Students may not receive credit by examination for a course if they

have already passed a more advanced course in the same subject area.

The deadline for registering to take the CEEB Achievement and CLEP examinations either at Texas Tech University or at another testing center is four to six weeks before the scheduled test date. Generally, test results or scores are mailed four to five weeks after the test date. Information regarding test dates and fees for national standardized examinations is available from the Testing and Evaluation Division at Texas Tech University. It is the student's responsibility to request that his or her CEEB test scores be sent to the Health Sciences Center.

Information concerning each of the testing programs follows.

1. Credit for CEEB Achievement Tests.

The CEEB Achievement Tests are a part of the CEEB Admissions Testing Program. Each year there are several national administrations of the CEEB Achievement Tests. Students should plan to take the specified tests at national testing centers during their senior year of high school at an early testing date in order that scores may be reported to the Health Sciences Center by June. In addition to the national administrations, there are limited administrations of the Achievement Tests recognized for credit by Texas Tech University during the Early Registration Conferences held on the campus each summer. Further information concerning the CEEB Achievement Tests may be obtained from high school counselors or principals; the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540; or the Testing and Evaluation Division of Texas Tech University.

2. Credit for CEEB Advanced Placement Program Examinations (APP).

The Advanced Placement Examination is the final examination for a nationally standardized course offered in a limited number of secondary schools under the auspices of the CEEB Advanced Placement Program. The objective of the APP is to allow students to begin work toward college credit while still in high school. Students should check with their high school counselor or principal as to the availability of the APP examinations in their school. The APP is offered once a year during May at participating high schools.

3. Credit for CEEB College Level Examination Program (CLEP) Examinations.

Under the College Level Examination Program, the University will award credit for only the specified examinations. As with the other CEEB testing programs, a student may attempt a CLEP examination at a national CLEP testing center before enrolling and have the scores reported to the Health Sciences Center. The examinations are offered on the campus

during the Early Registration Conferences held by the university each summer, several times each year to students currently enrolled, and monthly at national CLEP test centers. Further information concerning the CLEP tests may be obtained from high school counselors or principals; College Level Examination Program, Box 1821, Princeton, New Jersey 08540; or the Testing and Evaluation Division of Texas Tech University.

4. Credit by Departmental Examination.

- A. Several departments within the University prepare, administer, score, and award credit for their own examinations. Credit for specific courses is given upon satisfactory performance of the comprehensive examinations which are administered by the departments responsible for the courses recommended by the deans of the respective colleges. In order to be eligible to attempt credit by departmental examination, a student must not have previously audited, enrolled in, or attempted credit by examination in the course. A student must apply in writing to the responsible department at least 30 days prior to taking a departmental examination for credit. Further information regarding any credit by departmental examination should be secured directly from the academic department concerned.
- B. The School of Nursing offers examination for credit for the majority of courses in the nursing major. Students are encouraged to consider the course descriptions of the various courses and determine whether they have knowledge sufficient to meet the course objectives. Credit requirements for any prerequisite courses (or advanced placement) must be met, just as when enrolling for the course. To be eligible for credit by examination, a student must not have previously audited, enrolled in, or attempted credit by examination in the course. These examinations are offered three times yearly, according to a schedule published each semester, approximately one month before the end of a semester. A student enrolled in a course which is prerequisite to one in which he or she wishes to seek credit by examination may be allowed to take the examination if the instructor in the prerequisite course validates that, at the time of the examination, the student is passing the prerequisite course. For application procedures and schedules or further description of the examinations, contact the School of Nursing, Student Affairs Office.

Admission of Transfer Students

Undergraduate students who have attended another accredited college may be accepted for admission to Texas Tech University Health Sciences Center School

of Nursing provided they meet certain general requirements, as well as the specific requirements for admission to the School of Nursing.

They must present official transcripts of their entire academic record from all institutions in which they have been or are enrolled.

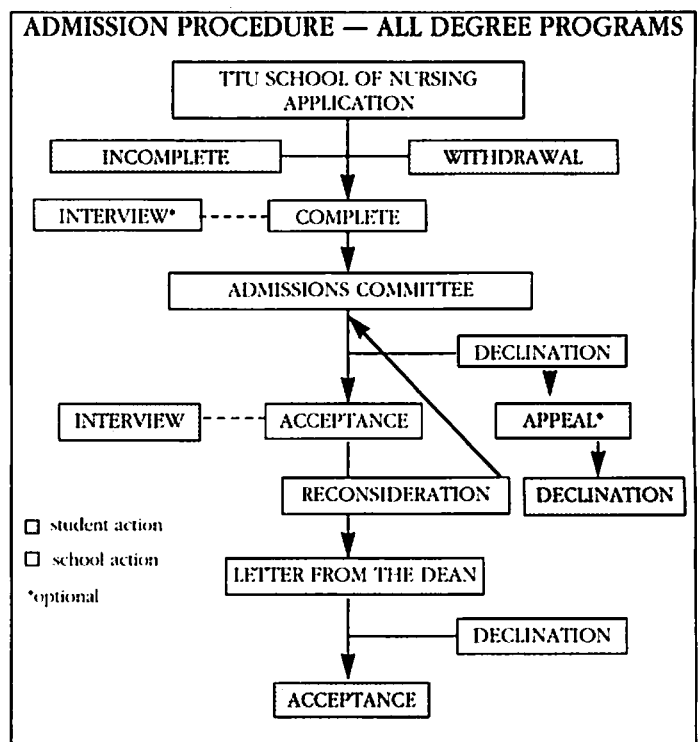
All transcripts must be submitted at the time of application. The only additional transcripts that will be accepted for degree requirements will be those reflecting work completed from the time of acceptance into the School of Nursing until actual enrollment.

A transfer student must be eligible to return to the institution from which he or she is transferring and must have a grade average of C or higher in all previous college work attempted or for each of the last two semesters of attendance provided he or she was a full-time student. Summer attendance of not fewer than 10 hours can be considered as one semester. All courses for which a student has enrolled are used in computing the grade point average.

A student who has fewer than 30 semester hours of transferable credit or who has been enrolled for only a semester term or session must also submit scores from the SAT or ACT test and a high school transcript.

The transfer student must have a minimum of 30 semester hours of transferable credit if he or she did not graduate from high school.

A former student of Texas Tech University Health Sciences Center who has afterward attended another institution will be considered a transfer student when applying for readmission and will be required to meet the standards for such students.



BACCALAUREATE PROGRAM APPLICATION DEADLINES

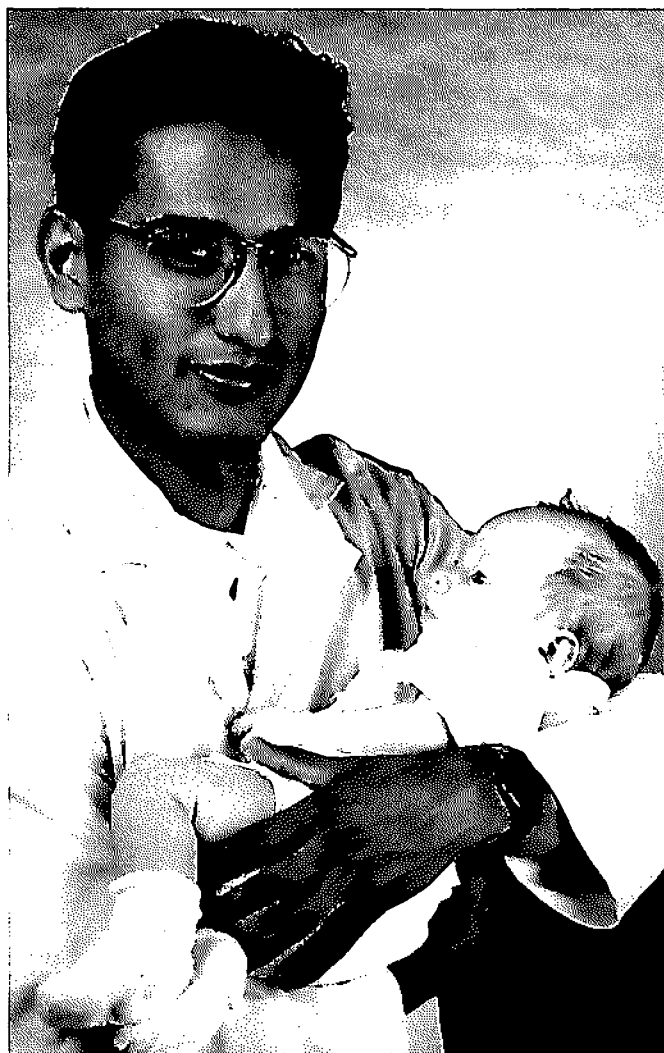
Multiple admissions are available. Each applicant group will have two opportunities for admission each year. Deadlines for applications are listed in the following table. Late applications are considered on a space available basis.

	Spring	Summer	Fall
Level	A B	B C*	A C*
Application Submission Deadlines	October 15, 1994	February 15, 1995	May 15, 1995
Application Completion Deadlines**	December 15, 1994	May 15, 1995	June 15, 1995

Level A Entering Freshmen, no previous nursing education
 Level B Licensed Vocational Nurses
 Level C Registered Nurses

* Lubbock and Permian Basin campuses.

** Applications will not be considered after this deadline.



Graduate Programs

MSN Program Philosophy

The curriculum for the masters program in nursing is based upon the philosophies of the School of Nursing and the baccalaureate degree program and on the following beliefs which are consistent with those philosophies. As stated in the school philosophy, we believe that nursing is "the process of assisting individuals, families or other groups to meet basic human needs in order to achieve or maintain a desired state of health and to do so in a fashion which acknowledges the person as an integrated being, rather than a series of isolated systems or functions, the family as an integrated system and the society as a whole." (Statement of Philosophy, 1980.) We further believe that nursing's unique contribution to health care is its interactive process which emphasizes *care*, that element which promotes the comfort of individuals and the development or restoration of their resources for self care. The faculty believes that *nursing care influences individuals, groups and societies*. Although the latter two are beneficiaries of quality care, it is usually through the interaction of two individuals, a nurse and a client/patient, that nursing care is rendered. Individuals, as clients/patients, or as members of groups or societies, are dynamic, complex organisms who respond in holistic ways to a threat to their well-being and to attempts to improve their health.

While all health care clients/patients can benefit from the care provided by a nurse with graduate preparation, we believe specific client/patient groups receive major benefits. These groups include those individuals and families in rural areas with limited access to the spectrum of health care providers, as well as to those requiring intensive, complex care in life threatening situations and those through the extremes of age span, perinatal and gerontological clients/patients.

The best environment in which clinical graduate nursing education occurs is an academic milieu, which combines the strength of a health sciences center with a university and has access to rich clinical experiences. Further, we believe faculty contribute most positively to student learning by using all facets of a reintegrated nursing role including teaching, practice, scholarly activities and service. We believe an established continuing nursing education program, which incorporates programming in the rural areas, enriches the curriculum for both faculty and students through exposure to a wider variety of clinical sites and roles.

The faculty believes that the first degree for the practice of professional nursing is currently the baccalaureate in nursing. The advanced degree, Master of Science in Nursing, provides opportunities for increased depth of knowledge and specialization in a clinical and functional area in order to provide leadership and a more intense level of quality care. Due to the increasing complexity of health care and the public's increasing expect-

tations regarding health care, improvement of the quality and quantity of health care in West Texas requires a nurse who has an increasing depth of nursing knowledge.

The emphasis of graduate education in nursing traditionally has been on the functional areas of education, administration and research. These, coupled with the roles of provider and consultant, are appropriate components at the graduate level. Further, we believe these are essential components that are appropriately applied to clinical aspects and reflect the kinds of nursing care clients need. Thus, while we recognize the need for and value of research, the faculty of the School of Nursing believes that, based on societal needs, rapidly changing technology and the advancement of nursing theory, research is most appropriately incorporated in a clinically focused degree.

We believe that the educational process that best prepares nurses to function in clinical settings in defined roles is one which allows options in program planning and conserves faculty resources. Inherent in these options are the following components: scientific depth and scope, analysis of nursing as a practice profession, exploration of professional leadership roles, nursing therapies related to nursing diagnoses, the development of professionhood as well as professionalism (Styles, 1982), concept formulation and testing and use of nursing theories.

Increased depth of knowledge is not sufficient in itself; therefore, the master of science in nursing program focuses on promoting application of knowledge, generating knowledge and initiating change in health care systems and delivery. Application and generation of knowledge is best accomplished through a focus on special rather than general areas. This is not to say application and generation of knowledge cannot be made in relation to general populations; rather, the focus on application and generation of knowledge in specialties and functional areas within those specialties heightens the nurses' abilities to provide quality care. Synthesis of principles, facts, theories and therapies requires a grasp of nursing as an interactive process focusing on the full spectrum of health, which ranges from wellness to acute illness and death. Inherent in this process is the recognition that perceptions influence both the client/patient and the nurse. This synthesis involves both clinical and functional components in order to meet society's current and future needs. Synthesis further is enhanced by the inclusion of sciences and the humanities that contribute to the development and betterment of nursing science.

As graduate students, nurses are expected to assume direction of their program, within stated parameters, and determine their level of contribution to the identification, use and evaluation of nursing therapies. Students who assume a major leadership role in identification and evaluation do so through longevous expo-

sure to decision-making opportunities. As mentors, faculty facilitate the growth of students in their decision-making capabilities and in their role as collaborators in health care. Students function in collegial roles with their peers in nursing as well as in other health care professions. Finally, the faculty believes that improving quantity and quality of health care in West Texas cannot be static in nature; thus, both faculty and students are continuously engaged in promoting orderly improvement and adaptation.

Statement of Philosophy, (1987). Texas Tech University Health Sciences Center School of Nursing.

Styles, M. (1982). On nursing: Toward a new endowment. St. Louis: C. V. Mosby Company.

Master of Science Program Purpose and Objectives

The purpose of the master of science in nursing program is to produce a nursing leader who is prepared with specific functional abilities to practice with a specified patient/client population. In synthesizing this clinical and functional focus, the graduate assumes a perspective of a reintegrated nursing role. In assuming a leadership role, the graduate:

1. Exhibits scientific analysis of nursing theories and therapies in providing high quality care to a defined patient/client population.
2. Evaluates issues of legal and ethical accountability and demonstrates, as well as promotes, accountability in a defined clinical area.
3. Creates a role that incorporates specific functional abilities with the general expectations of collaborator and facilitator of scholarly works.
4. Contributes to the advancement of the nursing profession through performance in a reintegrated role.

Grade Points

The grades of A, B, C, and D earn grade points of 4,3,2 and 1, respectively, multiplied by the number of semester hours of credit value for the course in which the grade is received. All other grades have no grade points assigned them.

Grade Point Averages

The School of Nursing uses three grade point averages (GPA) to determine progressions within the program:

1. The nursing GPA for a semester is determined by dividing the total number of grade points acquired during that semester by the total number of semester hours taken in nursing in which the student was registered, exclusive of courses in which a grade of W is received.
2. The semester GPA is determined by dividing the total number of grade points acquired during

that semester by the total number of semester hours of all courses (both TTU and TTUHSC) in which the student was registered in that semester, exclusive of courses in which a grade of W is received.

3. The overall cumulative GPA is obtained by dividing the total number of grade points earned in all courses taken in the degree program at TTU and TTUHSC by the total number of semester hours of all courses taken in the degree program for which the student has registered at TTU and TTUHSC, including hours of F and WF. Repeated registrations are counted in the total.

A student may repeat courses for credit with the prior approval of the academic dean. When a course is repeated, both grades are used in calculating the GPA and both grades appear on the transcript.

Only courses taken and grades received at TTU and TTUHSC are used in calculating GPAs.

Grading Practices

A grade is assigned for all courses in which a student is regularly enrolled during any semester or summer term. Only through regular enrollment can a grade be earned. A passing grade may be earned only if the student is enrolled for the duration of the course and a grade, once given, may not be changed without the approval of the academic dean.

Grades and their interpretations are: A, excellent; B, good; C, average; D, inferior (passing, but not necessarily satisfying degree requirements); F, failure; P, passing; PR, in progress; I, incomplete; W, withdrawal; WF, withdrawal failing. The letter R designates a course repeated.

The grade of I is given only when a student's work is satisfactory in quality but, due to reasons beyond his or her control, has not been completed. It is not given in lieu of an F. The instructor assigning the grade will stipulate, in writing, at the same time the grade is given the conditions under which the I may be removed. The I will be replaced with an F after it has remained on record for a year without completion. The I may be replaced by an R if the course is repeated. The appropriate grade will be given for the second registration.

A PR is given when a course may extend over more than one semester. A PR in a course requires the student to register in the course for the following semester and consequently the student will pay additional tuition for the course. A PR is not given in lieu of an F.

The symbol PR is assigned for every enrollment for the master's thesis until the completed document is accepted by the Associate Dean for the Graduate Program. At that time CR is entered for the final enrollment.

The grade of W is given for a course officially dropped during the first five weeks of a term or appropriate time in summer terms and for a course

officially dropped after that time, provided the student's work is passing at the time the course is dropped. A student should continue to attend a class until authorized by the academic dean to drop a course.

After the first five weeks of a semester, the grade of WF is given when the student's work is not passing at the time the course is dropped or when the student is required by the academic dean to drop the course for failure to attend the class.

An X is shown on the grade report in those instances where, for any reason, one of the above grades is not reported by the faculty. The designation X is not used in determining grade point averages.

Grade point averages are calculated at the end of Fall and Spring semesters and at the end of Summer Session II. Credits attempted and points earned at both the Health Sciences Center and the University constitute the basis for grade point average consideration.

Minimum Academic Requirements

The minimum grade point average for continuance in the graduate program is 3.0 in each semester, 3.0 cumulative, and 3.0 in each nursing course. A student who earns less than these requirements will receive notification of progressions action which may range from repetitive work to termination. Students having less than a 3.0 overall cumulative grade point average in the semester of graduation are ineligible for graduation.

Health Requirements

In addition to the health history which is required upon admission, each student is expected to have a yearly update of the health record including tuberculin screening tests and required immunizations. These completed records are a requirement for progression each year and are the responsibility of the student. Failure to maintain the requirements stated in the *Student Handbook* may result in exclusion from clinical practice.

BCLS/ACLS Certification

Graduate students are expected to maintain certification in cardiopulmonary resuscitation techniques through an American Heart Association basic cardiac life support course (professional level) or an American Red Cross course (professional level). In addition, practitioner students are required to hold certification in Advanced Cardiac Life Support or Pediatric Advanced Life Support or Neonatal Resuscitation Protocol of the American Heart Association prior to entering the second clinical major course.

Health Assessment

Graduate students are expected to verify proficiency in performing a health assessment or complete NURS 5342 prior to enrolling in the second clinical major course. All nurse practitioner students are required to

enroll in NURS 5342.

Graduation Under A Particular Catalog

A student is expected to complete the degree requirements set forth in a particular School of Nursing *Bulletin*. Normally this will be the catalog in effect at the time the student enters the program. Only with the specified approval of the academic dean may a different catalog be selected. In no case may a student complete the requirements set forth in a catalog more than seven years old. When necessary, a catalog issued later than the student's first registration may be selected by the academic dean in conference with the student.

The School of Nursing *Bulletin* is published at least biennially, and its provisions are applicable during the following school years, September through August. However, a student who registers for the first time in the University or Health Sciences Center during a summer session is subject to the degree requirements set forth in the catalog effective for the fall semester immediately following the initial enrollment.

Resident Credit

Ordinarily, the minimum residence for the master's degree is a full academic year or its equivalent of graduate work carrying residence credit.

Admission to Nurse Practitioner Coursework

The following requirements must be completed successfully prior to being considered for progression to the Nurse Practitioner coursework: Physiology, NURS 5342, NURS 5330 and NURS 5300.

Early in the semester in which students plan to complete the above requirements, students are required to petition the graduate progressions committee for approval to enter the nurse practitioner courses. The petition must include documented preceptor arrangements to be used in completing the clinical courses. Students may obtain the petition form in the Student Affairs Office.

Admission To Candidacy

Students are required to make formal application for admission to candidacy for the master's degree upon the completion of 9-12 hours of coursework and no later than four months prior to graduation. The application form is available in the student affairs office. Completed applications are submitted to the Associate Dean for the Graduate Program for approval.

Thesis

Within the semester of graduation each candidate for the Master's Degree is required to schedule the final oral defense of the thesis. The student should consult with their committee chairperson to arrange the time and place of the oral defense. A thesis orientation is offered each fall and spring semester to assist the student in completing the thesis process. A thesis orien-

tation packet is available for purchase in the mailroom on the 4th floor of the Health Sciences Center.

Continuous Enrollment

Students who have begun thesis research must register in each regular semester and at least once each summer until degree requirements have been completed, unless, granted an official leave of absence from the program for medical or other exceptional reasons.

Minimum Requirements for the Master of Science in Nursing

Course Number	Title	Credits
NON-NURSING COGNATES:		
	Physiology	3
	Statistics	3
	Computer Science	3
CORE COURSES:		
NURS 5330	Theories and Therapies	3
NURS 5390	Foundations of Nursing Research	3
NURS 5370	Issues in Nursing	3
CLINICAL TRACKS:		
<i>A minimum of 6 credits is required from a sequential combination of any of the following courses:</i>		6
NURS 5300	Community Health I: Foundations of Community Health Nursing (3)	
NURS 5301	Community Health II: Role Design and Implementation (3)	
NURS 5310	Gerontics I: Foundations of Gerontic Nursing (3)	
NURS 5311	Gerontics II: Role Design and Implementation (3)	
NURS 5320	Perinatal I: Foundations of Perinatal Nursing Care (3)	
NURS 5321	Perinatal II: Role Design and Implementation (3)	
FUNCTIONAL TRACKS:		
<i>A minimum of 6 credits is required from a sequential combination of any of the following courses:</i>		6
NURS 5410	Facilitating Learning (4)	
NURS 5210	Developing Nursing Education Programs (2)	
NURS 5230	The Middle Manager in Nursing (2)	
NURS 5240	Managerial Role Development (2)	
NURS 6220	The Manager as Leader (2)	
NURS 5340	Primary Health Care Practice I: Advanced Assessment, Pathology, and Management (3)	
NURS 5341	Primary Health Care Practice II: Advanced Role Application (3)	
NURS 6000	Thesis	6
TOTAL		36

Note: Individual Studies courses are available for further or focused study.

Minimum Requirements for the Master of Science in Nursing Family Nurse Practitioner Option

Prerequisite: Basic Life Support Certification

Course Number	Title	Credits
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NON-NURSING COGNATES:

Physiology	3
Statistics	3
Computer Science	3

CORE COURSES:

NURS 5330	Theories and Therapies	3
NURS 5390	Foundations of Nursing Research	3
NURS 5370	Issues in Nursing	3

NURS 5300	Community Health I: Foundations of Community Health Nursing	3
NURS 5301	Community Health II: Role Design and Implementation	3
*NURS 5340	Primary Health Care I: Advanced Assessment Pathology, and Management	3
NURS 5341	Primary Health Care II: Advanced Role Application	3
NURS 5342	Advanced Health Assessment	3
NURS 5343	Pharmacotherapeutics for Nurses in Advanced Practice	3
NURS 6000	Thesis	6
NURS 6060	Nursing Practicum — A majority of clinical must be completed in medically underserved settings	6
TOTAL		48

*All Nurse Practitioner students are required to hold Advanced Life Support Certification appropriate to their clinical specialty as a pre- or co-requisite to NURS 5340. NURS 5344 is offered for those who wish to become certified through the School of Nursing.

Minimum Requirements for the Post-Masters Nurse Practitioner Option

Course Number	Title	Credits
*NURS 5340	Primary Health Care I: Advanced Assessment, Pathology, and Management	3
NURS 5341	Primary Health Care II: Advanced Role Application	3
NURS 5342	Advanced Health Assessment	3
NURS 5343	Pharmacotherapeutics for Nurses in Advanced Practice	3
NURS 6060	Nursing Practicum	6
TOTAL		18

The Associate Dean for the Graduate Program will review applicant's academic preparation and/or competency in epidemiology, pathophysiology and community health. Any deficiencies are remedied with additional coursework listed below as prerequisite/corequisite to NURS 5340.

NURS 5140	Laboratory Methods for Primary Health Care
PHYS 5402	General Physiology
NURS 5300	Community Health I Foundations of Community Health Nursing
NURS 5301	Community Health II: Role Design and Implementation

*All Nurse Practitioner students are required to hold Advanced Life Support Certification appropriate to their clinical specialty as a pre or corequisite to NURS 5340. NURS 5344 is offered for those who wish to become certified through the School of Nursing.

Graduate Program Admissions Information

MINIMUM STANDARDS FOR CONSIDERATION FOR ADMISSION

1. R.N. licensure in Texas.
2. Baccalaureate degree from an NLN accredited program.
3. Successful completion of an undergraduate statistics course.
4. Experience—1 year F.T.E. in nursing (by time of enrollment).
5. GPA of 3.0 or better in upper division work (on 4.0 scale) and any graduate level work, if such applies.
6. GRE (1000 total on 2 of 3 sections—verbal, quantitative or analytic) or Miller Analogies Test (50).
7. Acceptable references (4).
 - Faculty member in the baccalaureate program.
 - Immediate supervisor in most recent employment setting.
 - Peer in the work setting (R.N. only).
 - One other reference.
8. Cultural diversity.
9. Career goals.
10. A sample of the applicant's writing skill (e.g. term papers, manuscripts, or reports).
11. Interview with Admission Committee Member (optional).

In addition to the above, post-masters family nurse practitioner applicants are required to submit documented preceptor arrangements to be used in completing the clinical coursework.

Applications for admission are available from:
Student Affairs Office
Texas Tech University Health Sciences Center
School of Nursing
Lubbock, Texas 79430
(806) 743-2737

Deadlines for applications to the Master of Science programs to be *complete* are:

FALL - June 1
SPRING -October 15
SUMMER - April 1

Late applications are considered on a space available basis.

Admission of International Students

The Texas Tech University Health Sciences Center School of Nursing has established certain basic requirements for the admission of international students. These requirements include above-average academic record, proficiency in the English language, ability to finance the educational program, and good health. An applicant must have earned a degree equivalent to the baccalaureate degree in nursing in the United States. Official Graduate Record Examination (GRE) scores or Millers Analogies Test (MAT) also must be submitted prior to admission. Proficiency in English must be demonstrated by acceptable scores on the Test of English as a Foreign Language (TOEFL). Further tests may be given once the student arrives on the campus. A student lacking adequate command of English will be required to enroll in basic English courses before carrying a full load of graduate work.

A \$50 nonrefundable application-evaluation charge is required for all foreign students seeking admission to the Health Sciences Center. Applications will not be considered unless accompanied by an international money order payable to Texas Tech University Health Sciences Center. For purposes of this policy, foreign applicants are identified as all non-United States citizens who require F-1 or J-1 student visas, excluding permanent residents and immigrants.

International students who are not in the United States at the time of application should apply a year in advance. An international student will not be admitted to the Health Sciences Center without evidence of financial support. (A minimum of \$11,430 for 9 months, \$15,610 for 12 months in addition to travel money is necessary. This is subject to change if tuition, fees, or room and board charges are modified.) The tuition rate for international students is currently \$185 per semester hour.

International students are required to submit a copy of their visa upon admission. Permanent residents are required to submit a copy of their resident alien card upon admission.

MSN/MBA Program Course Requirements

Course Number	Title	Credits
Required Nursing		
Physiology		3
NURS 5330	Theories and Therapies	3
NURS 5390	Foundations of Nursing Research	3
NURS 5370	Issues in Nursing	3
NURS 5300	Community Health I: Foundations of Community Health Nursing	3
NURS 5301	Community Health II: Role Design and Implementation	3
NURS 5230	The Middle Manager in Nursing	2
NURS 5240	Managerial Role Development	2
NURS 6220	The Manager as Leader	2
NURS 6000	Thesis (6 hours required)	6
Required Business		
ACCT 5300	Principles of Accounting	3
FIN 5320	Financial Management I	3
MKT 5350	Marketing Foundations	3
ACCT 5301	Managerial Accounting I	3
FIN 5321	Financial Management II	3
MGT 5371	Organizational Behavior & Mgt	3
MKT 5361	Marketing Administration	3
ECO 5320	Managerial Economics	3
MGT 5391	Business Policy	3
MGT 5308	Health Organization Management	3
MGT 5309	Contemporary Issues in HOM	3
Joint Requirements		
ISQS 5337	Survey of Mgt. Info Systems	3
ISQS 5347	Advanced Statistical Methods	3
	TOTAL	69

MSN/MBA Program Admissions Information

Applicants must apply to and meet admission requirements for both programs.

School of Nursing

1. R.N. licensure in Texas
2. Baccalaureate degree in nursing from a National League for Nursing accredited program.
3. 3.0 overall G.P.A. on upper division nursing course work and on any graduate level work, if applicable.
4. A score of 1000 on any two sections of the GRE or a score of 50 on the Miller Analogies Test. (The School of Nursing will accept the GMAT in place of the GRE or MAT.)
5. Four acceptable references.
6. A sample of the applicant's writing skill.

College of Business Administration

1. 2.7 overall G.P.A. on last 60 hours of undergraduate coursework.
2. A score of at least 500 on the GMAT.

For more information please contact:

School of Nursing Student Affairs Office
(806) 743-2737 and College of Business
Administration - Graduate programs in Business
(806) 743-3184

Deadlines for applications to the Master of Science programs to be *complete* are:

FALL - June 1
SPRING - October 15
SUMMER - April 1

Late applications are considered on a space available basis.

Doctoral Program

The PhD in Nursing program is a partnership of The University of Texas Health Science Center at San Antonio School of Nursing (UTHSCSASN) and Texas Tech University Health Sciences Center School of Nursing (TTUHSCSN), Lubbock, Texas. There are two sites for doctoral course offerings - San Antonio and Lubbock. The PhD degree is awarded by The University of Texas Health Science Center at San Antonio Graduate School of Biomedical Sciences.

Doctoral Program Philosophy

The doctoral program in nursing is designed to enable the graduate to engage in clinical nursing research by virtue of curriculum content in philosophy of science, research methods and techniques, and nursing theories coupled with a mentorship program in a specific area of clinical nursing. The objective of the program is to prepare the student for a career as an independent researcher who through course selection and experience, develops as a teacher and disseminator of knowledge within professional, academic and clinical arenas. The program exemplifies the mission of the Health Science Center for teaching, research, patient care and service. The process of doctoral education addresses values of life long intellectual inquiry, communication and collaboration with others to improve technology and its applications, executive management, the processes and content of developing data bases in nursing, the interdigitation of the natural/behavioral and health sciences, and the responsibilities of the researcher vis-a-vis other researchers, the patient/subject and the community at large. Students who graduate from the program will have developed the interactive nature of practitioner, theorist and researcher, as well as be prepared to participate in and lead the multi-disciplinary and multi-sited research efforts needed to address current nursing problems.

The opportunity to develop breadth and depth in the health/natural/behavioral sciences is afforded every student through cognate courses. A physiological base, as the cornerstone of understanding human responses and the foundation for further study in the varied sciences, is provided early in the program. Elective courses allow continuing individualization in the learning process.

All students will have the advantage of working with nursing and other interdisciplinary faculty

who are nationally acknowledged experts in their areas and who will mentor students in the role behaviors critical to excellence in creative scholarly productivity. Faculty are skilled in addressing the multidisciplinary nature of the human response to health status and health alterations and the bio-psycho-social and cultural elements inherent in such responses.

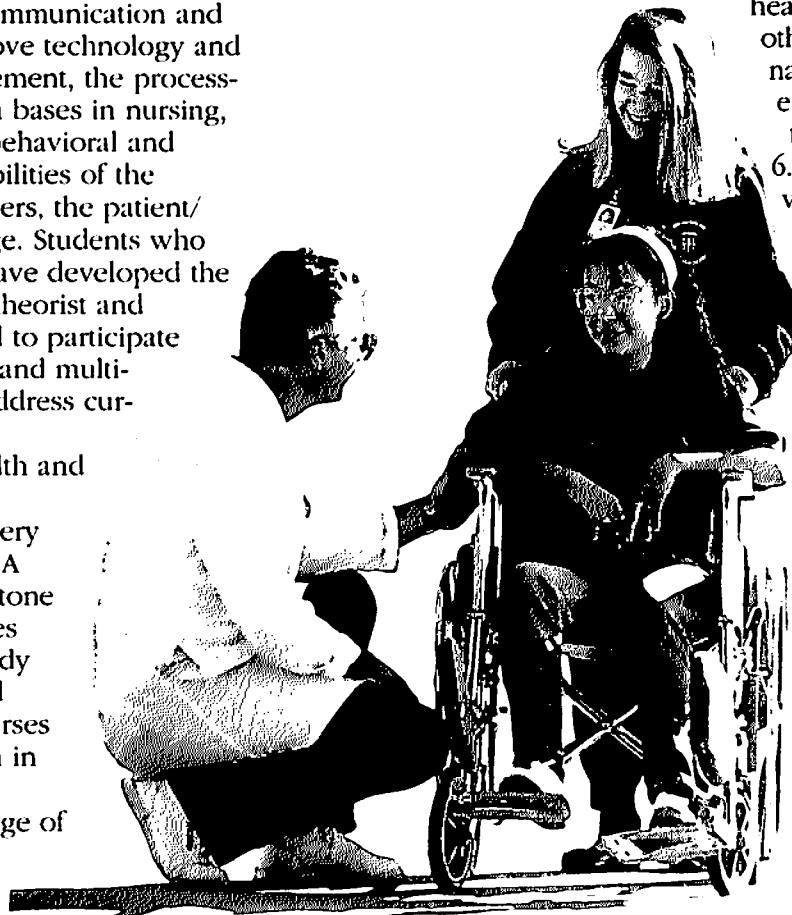
In addition to the opportunity to draw from nursing faculty expertise in a broad array of clinical/research problems of national and international importance, students may call upon a host of outstanding faculty researchers in the other departments and schools. These endeavors provide a source of stimulation and intellectual strength to the program and the institution.

Doctoral Program Objectives

1. Advance the discipline of nursing through the generation of new knowledge and theory.
2. Demonstrate excellence as a clinical researcher in the health sciences in a focal area of nursing.
3. Synthesize theories from natural and/or behavioral sciences for application to a specified area of nursing.
4. Advance clinical practice through research utilization.
5. Assume nurse scientist roles within academic

health centers and other interdisciplinary health sciences and education centers.

6. Explore the value and knowledge components of philosophical and ethical dimensions of issues confronting health care and nursing.



Minimum Requirements for the Doctoral Degree

Theory/Research/Science	Credits
Study of theory in nursing, research, scientific process	6
NURS 50115 Application of Research in Nursing	1
NURS 60474 Content & Practice: Research Methodology I	4
NURS 60475 Content & Practice: Research Methodology II	4
NURS 70396 Clinical Research Applications	3
	18
Clinical Practice	
Study of advanced direct patient care	9
NURS 70590 Seminar & Mentorship for Role Integration	5
	14
Profession/Socialization	
Study of advanced professional elements and issues, role(s) socialization	4
NURS 60225 Philosophy and Ethics in the Health Sciences	2
NURS 60221 Health Care Policy and Trends	2
NURS 70476 Advanced Professional Seminar and Practicum	4
NURS 60071 Supervised Teaching	1
	13
Support Courses	
Study of computers/applications in health sciences	2
Study of advanced physiologic concepts	3
Non-nursing cognates/depth in discipline	9
	14
Electives	9
Dissertation	
NURS 70099 Dissertation (Maximum semester hours)	12
TOTAL	80

Preliminary/qualifying examinations will be required. Full-time and part-time study in the doctoral program is available. The program plan for each student is designed on an individual basis.

Doctoral Program Admissions Information MINIMUM STANDARDS FOR CONSIDERATION FOR ADMISSION

1. R.N. licensure in Texas.
 2. Baccalaureate degree in nursing from an NLN accredited program.
 3. GPA of 3.0 or better on a 4.0 scale in upper division work and any graduate level work, if such applies.
 4. Graduate Record Exam (GRE) with a total score of 1000 on the verbal and quantitative sections.
 5. Satisfactory references.
 6. Statement of professional goals and accomplishments.
 7. An interview may be required in San Antonio.
- Deadline for application to the PhD program is:
Fall - April 1

Late applications are considered on a space available basis.

Application

All qualified applicants are carefully evaluated by the appropriate committee with regard to their potential for successfully completing a professional curriculum. Transcripts, test scores, and other application information constitute the core factors for admission. There is no discrimination based on race, creed, sex, disability or national origin. Applicants with completed forms and appropriate supporting materials constitute the pool of applicants considered for admission. All information required for an application must be furnished accurately and completely. Intentional falsification of any part of the application information is cause for dismissal from the School of Nursing. Notification of admission occurs from as soon after the deadline as the application is complete until the class is filled. Applicant response to the admission acceptance offer must occur within two weeks.

Application packets for the School of Nursing are available from:
Student Affairs Office
School of Nursing
Texas Tech University Health Sciences Center
Lubbock, Texas 79430
(806) 743-2737

Course Descriptions Baccalaureate Program

Required Courses

Respective campuses should be consulted regarding frequency of course offerings. All required courses are offered at least annually.

- NURS 1400**
(4:4:0) **Human Development and Human Behavior**
Theories of human development throughout the life span. Emphasis is placed on a comparative study of several theoretical views of human psychosocial development and behavior. These are further contrasted with a holistic approach to understanding normal human development and behavior.
- NURS 1420**
(CL)
(4:1:9) **Nursing Process I—Techniques of Basic Assessment and Intervention in Nursing**
An introduction to nursing as a systematic process with emphasis on gaining skill in techniques of basic assessment, planning, and intervention. Includes content about basic data collection, techniques of basic nursing intervention and techniques for documenting nursing process. Also includes an orientation to the professional nursing role. (Prerequisite admission to the program; pre or corequisite NURS 1400 and ZOOL 2403.)
- NURS 1300**
(3:3:0) **Adaptation, Dysfunction and Pathological Processes in Humans I**
Concepts of human function in altered states from adaptation through dysfunction to pathological processes. Concepts included are stress, adaptation, coping, inflammation, immune mechanisms, infection, metabolic dysfunctions, altered nutritional states, altered sexual health, elimination, dysfunction and pathology interrupting internal environments such as gas exchange and fluid and electrolyte balance. (Prerequisite: Successful completion of NURS 1400/ 1420; pre- or co-requisite: ZOOL 2404.)
- NURS 1500 (CL)**
(5:1:12) **Nursing Process II—Nursing in Conditions of Human Adaptation, Dysfunction and Pathology**
Nursing process with persons experiencing conditions which are examples of the concepts presented in NURS 1300. Focuses also on developing skills in the phases of nursing process with adults, young through elderly, and children. Special emphasis on nursing diagnosis, planning and intervention in nursing process. The evaluation phase of the nursing process is included. (Prerequisite: Successful completion of NURS

1400/1420; pre- or corequisite: NURS 1300, ZOOL 2404.)

- NURS 1410**
(CL)
(4:3:3)

Basic Concepts for Professional Nursing Process

Study of the major concepts basic to the curriculum conceptual framework in order to assure an orientation to nursing as a professional endeavor. The focus of clinical activity is on the application of these major concepts to the clinical practice of nursing. Completion of this course, with a grade of C or better, is required for progression to subsequent nursing courses by all Licensed Vocational Nurses who enter the program. (Prerequisite: Licensed Vocational/Practical Nurse and admission to the Program; pre or corequisite: ZOOL 2403 and 2404.)

- NURS 2300**
(3:3:0)

Adaptation, Dysfunction and Pathological Processes in Humans II

Concepts of human function in altered states from adaptation through dysfunction to pathological processes. Concepts included are: loss, body image disturbances, grief, neurological dysfunction, neoplasia, alterations in thought, and dysfunctions in human affiliation. Roger's theory of holistic person is introduced. (Pre-requisite: Successful completion of NURS 1300/NURS 1500; if taken in the Spring Semester: Successful completion of NURS 2200/NURS 2400.)

- NURS 2500**
(CL)
(5:1:12)

Nursing Process III—Nursing in Conditions of Human Adaptation, Dysfunction and Pathology

Nursing process with persons who exemplify the concepts presented in NURS 2300. Focus on developing skills in the phases of nursing process with people throughout the life span. Special emphasis on assessment, planning, implementation, evaluation, and on therapeutic communication as an intervention mode in nursing process. (Prerequisite: Successful completion of NURS 1300/NURS 1500; pre or corequisite: NURS 2300; if taken in the Spring Semester: Successful completion of NURS 2200/NURS 2400.)

- NURS 2200**
(2:2:0)

Concepts of Family and Group Development and Interaction

Development and interaction in human groups with the family as one special function group. Systems theory, symbolic interaction theory, social exchange theory, role theories, and communication theories, (among others), as perspectives for analyzing and understanding behavior in these units. Cultural variations and cultural influences on groups are considered.

	(Prerequisite: Successful completion of NURS 1300/1500; if taken in the Spring Semester: Successful completion of NURS 2300/NURS 2500.)		(Prerequisite: Upper division standing in the nursing major and successful completion of HSN 3410.)
NURS 2400 (CL) (4:2:6)	Nursing Process IV—Nursing of Childbearing and Child Rearing Families—Adaptation, Dysfunction and Pathological Processes Nursing processes with individuals in the childbearing and child rearing process. Focuses on developing skills during the phases of nursing process in working with all members of the childbearing/child rearing family unit. Special emphasis on assessment of family unit, cultural differences in the approach to the childbirth and child rearing experiences, traditional and alternative arrangements for the birth experience, techniques of nursing intervention and evaluation. (Prerequisite: Successful completion of NURS 1300/1500; pre- or corequisite: NURS 2200; if taken in the Spring Semester: Successful completion of NURS 2300/NURS 2500.)	NURS 3310 (CL) (3:2.5:1.5)	Teaching in Health Care Situations Teaching as a major technique and process of nursing intervention. Focuses on assessment of learning needs, implementing planned learning experiences, and evaluation of process and product of teaching. Relates teaching-learning theories/principles as basis for educational intervention. Incorporates knowledge gained from the nursing process and related general education courses in a holistic manner. Practice in the use of teaching strategies in simulated and real health care situations. (Prerequisite: Upper division standing in the nursing major or consent of the instructor.)
NURS 3410 (CL) (4:1:9)	Nursing Process V—Comprehensive Nursing Care Practicum in which the student synthesizes and validates the concepts presented in lower division courses in the curriculum to provide comprehensive nursing care. Emphasizes skillful combination of the phases of nursing process. (Prerequisite: Successful completion of NURS 2300/2500 and NURS 2200/2400 or admission at Level C; pre- or corequisite: Successful completion of all lower division requirements.)	NURS 3320 (3:3:0)	Nursing History, Philosophy and Issues Study of the historical trends in nursing as they affect modern nursing and health care practice. An overview of several philosophical/theoretical views of nursing and the relationship of these to the individual nurse's developing conceptual frameworks for practice. Issues of professionalism and legal/ethical overview are included. (Prerequisite: Upper division standing in the nursing major or consent of the instructor.)
NURS 3100 (1:1:0)	Wellness and Illness, Concepts of Health and Views of Health Care Providers Interdisciplinary course, open to all health care professional students. Focus is on objective presentation of individuals' views of health and their health related behaviors and on the several health professions' views of their roles in providing health care. Cultural differences in health behavior are considered as are several interprofessional issues affecting health care. (Prerequisite: Upper division standing in nursing major or consent of instructor.)	NURS 3600 (CL) (6:2.5:10.5)	Roles in Nursing Practice I—The Nurse as a Decision Maker in Acute Care Settings Combines an emphasis on decision making process as a major role in professional nursing practice with detailed study of the problems of care which are predominant in acute care settings. Introduces the use of Roy's adaptation model as the basis for understanding human needs. (Prerequisite: Progression to upper division in nursing major.)
NURS 3200 (2:2:0)	Pharmacology in Complex Health Care Situations Focuses on medication therapy in complex health care situations. Includes an understanding of medication therapy for common health disorders and builds on previous pharmacological knowledge.	NURS 4200 (2:2:0)	Systematic Inquiry in Nursing Addresses basic research concepts and explores the relationship of research to theory and practice. Prepares the student as a consumer of research in order that relevant findings may be applied to clinical practice. (Prerequisite: Upper division standing in the nursing major and successful completion of Philosophy 1310 or 2310 and the statistics requirement or consent of instructor.)
		NURS 4410 (CL) (4:1:9)	Roles in Nursing Practice III—The Nurse as a Manager of Nursing Care Develops the ability to function as a first level manager in nursing as an element of the practice roles in nursing. Emphasizes

the role of a nurse as a change agent/ change participant for improving health care. Examines the use of a selected conceptual or theoretical approach to nursing when functioning in a managerial role. (Taught in 1/2 semester.) (Prerequisite: Successful completion of NURS 4600. All required nursing and non-nursing must be completed or in progress.)

NURS 4420
(CL)
(4:1:9)

Roles in Nursing Practice IV—The Nurse as Reintegrated Competent Professional
Focuses on anticipatory socialization in order to initiate a transition to a reintegrated nursing role. Examines the personal experience of changing from student to practicing professional. Requires synthesis of the elements of the baccalaureate curriculum. (Taught in 1/2 semester.) (Prerequisite: Successful completion of NURS 4410) (All required nursing and non-nursing courses must be completed or in progress.)

NURS 4600
(CL)
(6:2.5:10.5)

Roles in Nursing Practice II—The Nurse as a Collaborating Professional in Community Health Settings
Combines an emphasis on collaboration as a professional behavior with detailed study of nursing in community, and public health with clinical experience in primary care, tertiary care and home care settings. Introduces Orem's Self Care Deficit of Nursing and incorporates previously learned nursing and sociological theories in a holistic manner. (Prerequisite: Successful completion of NURS 3600.)

Health Sciences Center Courses

HSN 3410
(4:4:0)

Advanced Integrated Life Science
This course is designed to enable the student who has a grounding in basic physiology and biochemistry to see human function as an integrated whole: it focuses on a number of common and exemplary human dysfunctions that can be fully understood only by approaching them from several physiological and biochemical perspectives. (Prerequisite: Enrollment in HSC and ZOOL 2403, 2404 and the chemistry sequence.)

Elective Courses*

NURS 3030

Independent Study in Nursing
Topic and objectives of study are mutually agreed upon by the student and selected faculty member. Independent study agreement formalizes the plan for

study and guides evaluation. Credit varies from 1-6 semester hours and course may be repeated as topic and/or objective of study change. (Prerequisite: Upper division standing in the nursing major and / or consent of instructor.)

NURS 3040

Special Topics in Nursing
Designed to focus on subjects of special interest to groups of students. May be repeated for credit as topics vary. Variable credit from 1-6 hours. (Prerequisite: Upper division standing in the nursing major and/or consent of instructor.)

NURS 3050

Client Populations and Their Nursing Needs
The courses in this series focus on the characteristics of particular populations and the implications of these characteristics for nursing and health care. Variable credit from 1-6 hours. (Prerequisite: Upper division standing in the nursing major or consent of instructor if interdisciplinary course.)

NURS 3351,
3651 (CL)

Nursing and Health Care in Rural Communities
Considers unique features of rural communities as they affect health care of residents. Clinical activities include community assessment and practice in one or more rural health care facilities. (Prerequisite: NURS 4600 or consent of instructor.)

NURS 3353
(CL)

Nursing Care of Children with Endocrine Disorders
Builds on the techniques of assessment, planning, intervention and evaluation in relation to children with endocrine disorders. Explores physiological, pathophysiological, psychosocial and management aspects of care of the child with insulin dependent diabetes mellitus. (Prerequisite: Upper division standing or consent of instructor.)

NURS 3054

Foundations for Maternal/Infant/ Gynecological Nursing
Includes changes in maternal/infant/ gynecological nursing practice roles and the evolution of holistic nursing practice from the perspective of women, infants and mothers as depicted historically through art, literature and music. Includes the contributions of women, infants and mothers involved in parenting, nurturing, creative, leadership, social, and cultural roles as depicted historically in music, literature, and art. An esthetic study of women, infants and mothers in various

	<p>roles allows students to develop individual objectives for focus, course grade, and course value. Variable credit from 1-6 hours. (Prerequisite: Successful completion of NURS 3410.)</p>				
NURS 3356	<p>Care of the Patient During the Perioperative Period Focuses on the care of the patient during the perioperative period and the nursing responsibilities inherent in this care. Clinical practice includes activities in each of the preoperative, intraoperative and postoperative stages. (Prerequisite: Completion of NURS 2300 and NURS 2500 or consent of the instructor.)</p>				<p>aging person are the focus of the course. The purpose is to provide three techniques that assist in improving the quality of life for the aging person through group activities. Concepts include selecting groups, developing a leader's sensitivity and empathy, and evaluating outcomes of specific activities in relation to reality orientation, remotivation and reminiscing. (Prerequisite: Upper division standing or consent of instructor.)</p>
NURS 3357	<p>Holistic Health Practices in Stress Management Introduction to holistic health in stress management. Includes role of the mind, body and universe in attaining high level wellness, stress and its relationship to health and interaction of holistic health practices in the management of stress. (Prerequisite: NURS 3100 or consent of instructor.)</p>		NURS 4353 (CL)		<p>Nursing Care of the High Risk Infant Provides introductory knowledge about the psychosocial and pathophysiological aspects in the care of the high risk newborn and his/her family in a tertiary care setting. (Prerequisite: Successful completion of NURS 3600.)</p>
NURS 3358	<p>Care of the Terminally Ill Client This course will utilize readings from sociology, psychology, religion and the medical and nursing sciences as background for discussing and analyzing therapeutic nursing interventions for care of the terminally ill client. Clinical and experiential techniques will be utilized to promote thought and discussion in order to explore death in its personal, general and professional significance. (Prerequisite: Successful completion of NURS 3410.)</p>		NURS 4354		<p>Caring for Aged Populations Interdisciplinary course provides basic content on gerontics plus strategies for caring for elders — especially frail elderly. Emphasis on knowledge and strategies, caring qualities needed by caregivers, and on psychosocial caring for elders who are experiencing motivational, nutritional, pharmacological, and/or psychological health problems.</p>
NURS 3359	<p>Nursing Care for Adolescents This course applies selected developmental and nursing theories, as well as systems theory, to examine the health care needs of adolescents. Special emphasis is placed on adolescent risk-taking behaviors and nursing strategies to reduce the morbidity and mortality associated with these behaviors. Examination of the health care system, including legal and ethical considerations, is emphasized. Nursing skills including communication, teaching, and nursing process are stressed. (Prerequisite: Upper division standing or consent of the instructor.)</p>		NURS 4451 (CL)		<p>Adult Critical Care Nursing Focuses on nursing care of individuals experiencing severe physiological maladaptation and dysfunction. Concepts included are advanced pathological processes, critical care skills, psychosocial adaptation to critical illness, holism, stress management and professional issues in critical care nursing. (Prerequisite: NURS 3600 or consent of instructor.)</p>
NURS 4251	<p>Techniques for Assisting the Aging—The Three Rs: Reality Orientation, Remotivation, Reminiscing The three Rs of group work with the</p>		NURS 3060		<p>Selected Roles in Nursing The courses in this series offer the opportunity for in-depth exploration of some identified roles in nursing practice. Variable credit from 1-6 hours. (Prerequisite: Upper division standing in the nursing major and/or consent of instructor.)</p>
			NURS 3363 (CL)		<p>Clinical Role Exploration Analysis of and practice in an entry level clinical nursing role. Seminar combines elements of anticipatory socialization and role theory. Clinical activity reflects this content as it focuses on the performance of all aspects of nursing process as they relate to provision of direct care in any setting except primary care. (Especially recommended for the generic student.)</p>

- (Prerequisite: Successful completion of NURS 3600.)
- NURS 3364 (CL)** **The Role of the Nurse in the Care of the Critically Ill Child**
Focuses on role of the nurse with special emphasis on primary nursing and support of the critically ill child and his/her family. Includes application of concepts of human behavior, stress and adaptation and role analysis. (Prerequisite: Successful completion of NURS 3600.)
- NURS 4360** **Occupational Health Nursing**
The roles and functions of the nurse in occupational health. Surveys laws and regulations affecting occupational health practices and health promotion activities as a special concern of the nurse. Clinical practice in selected occupational health sites. (Prerequisite: Upper division standing or consent of instructor.)
- NURS 3070** **Professional Development Topics**
This series of courses includes opportunities to explore, in-depth, aspects of professional concerns which affect nursing and health care in general. Variable credit from 1-6 hours. (Prerequisite: Upper division standing in the nursing major and/or consent of instructor.)
- NURS 3371** **Legal and Ethical Issues in Health Care**
Interdisciplinary course surveying major legal and ethical issues in the delivery of health care. (Prerequisite: Upper division standing or consent of instructor.)
- NURS 3373** **Introduction to Computers and Information Management in Nursing**
Introduction to computers, their applications and information management in nursing. Includes the specific areas of nursing research, nursing education, nursing practice and nursing administration. Labs provide hands-on experience with computers and information management. (Prerequisite: upper division standing or consent of instructor.)
- NURS 3374** **Philosophical Issues and Problems in Human Caring**
Exploration of different avenues of approaching philosophical dilemmas in providing care to clients whose behaviors and value systems are difficult to accept. Examines select issues from the standpoints of philosophy and nursing. (Prerequisite: Upper division standing or consent of instructor.)
- NURS 3375** **Nurses and Technology**
Explores the topic of nurses and tech-

nology from various perspectives. Content relates to the impact of medical technology on nurses and nursing practice (including a historical perspective), resulting ethical, legal, and social issues, and the integration of medical technology and nursing care. The process of technology assessment is emphasized as a means of evaluating the medical technology that nurses use and thus as a means of managing patient care technology at all levels of health care. (Prerequisite: Upper division standing or consent of instructor.)

- NURS 3376** **Advanced Cardiac Life Support**
This course will expand the student's cognitive knowledge and psychomotor skills necessary to provide nursing care to individuals experiencing acute life-threatening physiological dysfunctions. The course is designed to prepare the student for participation in an Advanced Cardiac Life Support providers class according to the standards set by the American Heart Association. Concepts included are advanced pathological processes, critical care skills, legal/ethical issues, collaboration, and professional role development. (Prerequisite: Successful completion of NURS 3600 or consent of instructor.)

- NURS 4371 (CL)** **Utilization of Touch as a Therapeutic Intervention**
Interdisciplinary course which considers several theories and techniques that utilize touch as the primary source of intervention. Clinical experiences will provide the student with an opportunity to practice the methods discussed in various clinical settings. (Prerequisite: Upper division standing or consent of instructor.)

* Offered at select time as faculty and interest are present.

Course Descriptions MSN Program

Required Courses

- NURS 5300 (CL)** **Community Health I: Foundations of Community Health Nursing** (3:1:6)
Study of the major concepts basic to the development, implementation and evaluation of Community Health. Clinical practice focuses on application of nursing theory, epidemiologic concepts, public policy, program planning and exploration of nursing skills and techniques related to aggregate level health promotion, health maintenance, health restoration and disease prevention. (Prerequisite/Corequisite:

	NURS 5330 and Physiology requirement.)		(Prerequisite: Successful completion of NURS 5320, NURS 5330, physiology requirement, and verification of health assessment.)
NURS 5301 (CL) (3:1:6)	Community Health II: Role Design and Implementation Study of the nursing role components inherent in community health. Identification of facilitators for and barriers to the implementation of community health in health care settings. Clinical practice involves collaboration and implementation of the community health role in selected health care settings. (Prerequisite: Successful completion of NURS 5300, NURS 5330, physiology requirement, and verification of health assessment.)	NURS 5342 (3:1:6)	Advanced Health Assessment Building upon basic physical assessment and history taking knowledge and skills, this course focuses on knowledge and clinical skills required for advanced practice nursing. (Prerequisite: Basic anatomy and physiology; basic health assessment.)
NURS 5310 (CL) (3:1:6)	Gerontics I: Foundations of Gerontic Nursing Study of the major concepts essential to the development, implementation and evaluation of quality gerontic care. Clinical practice focuses on application of nursing theory and pathophysiological concepts, and exploration of nursing therapies, skills and techniques associated with the provision of gerontic care. (Prerequisite/corequisite: NURS 5330 and physiology requirement.)	NURS 5210 (2:2:0)	Developing Nursing Education Programs Curriculum concepts applied to various situations such as staff development, basic and continuing education programs. Focuses on program level development and implementation including evaluation models. (Prerequisite: Successful completion of NURS 5410.)
NURS 5311 (CL) (3:1:6)	Gerontics II: Role Design and Implementation Study of the nursing role components basic to collaboration and provision of gerontic care. Includes study of family dynamics related to the extended family and identification of families at risk. Clinical practice focuses on provision of care in a variety of settings. (Prerequisite: Successful completion of NURS 5310, NURS 5330, physiology requirement, and verification of health assessment.)	NURS 5230 (2:2:0)	The Middle Manager in Nursing: A Conceptual Perspective Focuses on mid-level nursing management roles in health care organizations. Content is related to the managerial process, including material on program planning processes; fiscal management; supervisory development; employee selection, retention and development; conflict management and collaboration; productivity; and quality assurance. Continued professional development of the mid-level nurse manager as a reintegrated professional nurse is emphasized as the basis for role modeling for the nursing staff.
NURS 5320 (CL) (3:1:6)	Perinatal I: Foundations of Perinatal Nursing Care Study of the major concepts necessary to the provision of perinatal care. Clinical practice focuses on application of nursing theory, the childbearing family and the nursing therapies appropriate to provision of care for the childbearing family. (Prerequisite/corequisite: NURS 5330 and physiology requirement.)	NURS 5240 (CL) (2:0:6)	Managerial Role Development A practicum emphasizing the application of concepts formulated in NURS 5230. Emphasizes analyzing and designing managerial role to enhance the delivery of health care service and the adaptation and development of nursing therapies in specified areas such as rural settings, clinics and community services. (Prerequisite/ Corequisite: Successful completion of one of the following courses—NURS 5300, NURS 5310 or NURS 5320 or permission of the course director. Concurrent enrollment or successful completion of NURS 5230.)
NURS 5321 (CL) (3:1:6)	Perinatal II: Role Design and Implementation Study of the nursing role components involved in collaboration and provision of perinatal care. Identification of high risk perinatal situations and populations are included. Clinical practice involves the childbearing family in a variety of settings.	NURS 5410 (CL) (4:3:3)	Facilitating Learning Concepts of assessing learning needs and learner reaction to design, implement and evaluate educational activities. Emphasis is on nursing role development, professionhood and design and teaching strategies.

NURS 6220 (2:2:0)	<p>The Nurse Manager as Leader A seminar in contemporary issues in administrative circles. Explores issues from various professional, client and societal perspectives. Emphasizes leadership development and ethical perspectives. (Prerequisite/corequisite: Successful completion of NURS 5230 or permission of the course director. Concurrent enrollment or successful completion of NURS 5240.)</p>	Using the concept of reintegration, the emphasis is on synthesis of nursing knowledge with societal level perspectives.
NURS 5340 (CL) (3:1:6)	<p>Primary Health Care Practice I- Advanced Assessment, Pathology, and Management Study of the major concepts and therapies required in the development, implementation and evaluation of primary health care. Clinical practice focuses on application of nursing theory, pathophysiological and epidemiological concepts and exploration of nursing therapies, skills and techniques essential to the provision of primary health care. (Prerequisite: NURS 5342, NURS 5300 or NURS 5310 or NURS 5320; NURS 5330; Physiology requirement. Pre or corequisite NURS 5344 or ACLS, PALS, or Neonatal Resuscitation Protocol.)</p>	<p>NURS 5390 (3:3:0) Foundations of Nursing Research A survey of scientific inquiry, research design and methods. Includes development of a clinical study proposal. (Prerequisite/Corequisite: Statistics.)</p> <p>NURS 6000 Thesis</p>
NURS 5341 (CL) (3:1:6)	<p>Primary Health Care Practice II- Advanced Role Application Study of nursing role components critical to primary health care. Identification of facilitators for and barriers to the implementation of primary health care. Clinical practice involves collaboration and implementation of primary health care role in selected health care settings. (Prerequisite: NURS 5340, NURS 5343 and NURS 5301 or NURS 5311 or NURS 5321; NURS 5344 or ACLS, PALS or Neonatal Resuscitation Protocol.)</p>	Elective Courses
NURS 5343 (3:3:0)	<p>Pharmacotherapeutics for Nurses in Advanced Practice Study of advanced pharmacologic and pharmacokinetic principles of drug categories used by nurses in advanced practice. (Prerequisite: NURS 5340.)</p>	<p>NURS 5060 Individual Studies Designed to meet special needs and interests of a student who proposes a specific plan of study. Course varies from 1-6 semester hours and course maybe repeated as topic and/or objective of study change. (Prerequisite/corequisite: Permission of faculty.)</p> <p>NURS 5140 (1:0.5:1.5) Laboratory Methods for Nurses in Advanced Practice Study of selected clinical laboratory procedures including the clinical decision making for selection of appropriate tests and interpretations and significance of test results.</p>
NURS 5330 (3:3:0)	<p>Theories and Therapies Exploration of theories in nursing as a basis for nursing therapies. Analysis of existing theories, theory construction and concept formulation and common specialized therapies such as counseling, touch, and comfort measures.</p>	<p>NURS 5344 (3:2:3) Advanced Practice Role Development: Advanced Cardiac Life Support This course expands the student's ability to analyze and provide appropriate care in situations in which individuals are experiencing acute life-threatening physiological dysfunctions from the perspectives of ethics, law, and advanced clinical practice. The course is designed to prepare the student for participating in an Advanced Cardiac Life Support providers class according to the standards set by the American Heart Association.</p>
NURS 5370 (3:3:0)	<p>Issues in Nursing Analysis of issues confronting the nursing profession. Issues are examined from at least international, interdisciplinary and historical development perspectives.</p>	<p>NURS 6060 (CL) (3:0:18) (6:0:36) Nursing Practicum A clinically focused practicum for individuals pursuing expectations beyond basic graduate degree requirements. Variable credit 3 or 6 hours. Nurse Practitioner students are required to complete the majority of practicum in underserved areas. (Prerequisite: Successful completion of required clinical and functional courses.)</p> <p>NURS 5373 (3:3:0) Nurses and Technology Explores the topic of nurses and technology from various perspectives. Content relates to the impact of medical technology on nurses and nursing practice (includ-</p>

ing a historical perspective), resulting ethical, legal, and social issues, and the integration of medical technology and nursing care. The process of technology assessment is emphasized as a means of evaluating the medical technology that nurses use and thus as a means of managing patient care technology at all levels of health care.

(3:2:1)

This course provides guided study in the proposal generating process. Students will apply the knowledge gained in the prerequisite research courses and their clinical expertise to develop their dissertation proposal. Faculty representing each content area and expert in methods needed, will be participants in the seminar. Individual guidance will be provided to students throughout the course. (Prerequisite: NURS 60475 and 9 semester hours study of advanced direct patient care.)

NURS 5015 **Application of Research in Nursing**
 This course provides an opportunity for qualified students to work closely with a faculty member who is actively engaged in the conduct of research. Variable credit 1-3 semester hours. (Prerequisite/ Corequisite: Permission of faculty.)

NURS 70590
 (5:1.5:3.5)

Seminar & Mentorship for Role Integration
 This course integrates the dynamic elements of practice, theory, and research to explore the roles of the doctorally prepared nurse in the health sciences arena. Included is the identification of facilitators for and barriers to the implementation of the role in health science settings and strategies involved in developing collaborative research and practice opportunities. Faculty will include invited experts and mentors who function in these roles. Individual, interdisciplinary, intra and inter agency articulation and collaboration will be explored. (Prerequisite: NURS 60475 and 9 semester hours study of advanced direct patient care. Student in good standing in the doctoral program.)

NURS 6071 **Supervised Teaching**
 Directed teaching in students major area under close supervision of one or more faculty. Variable credit 1-3 semester hours. (Prerequisite/corequisite: Permission of faculty.)

Course Descriptions Doctoral Program

NURS 5015 **Application of Research in Nursing**
 (NURS 50115)
 (1:0:3)
 This course provides an opportunity for qualified students to work closely with a faculty member who is actively engaged in the conduct of research.

NURS 60225
 (2:2:0)

Philosophy and Ethics in the Health Sciences

The focus of this course is on articulating the differences in models of knowing, and on analyzing the role of science and the role of scientists in society. Emphasis is on the process of analysis, the ability to present the pros and cons of current and anticipated ethical issues influencing specific clinical situations, and on development and use of technologies in health care. Open to graduate students in other disciplines. (Prerequisite: Study of advanced professional elements and issues, role(s) socialization.)

NURS 60474 **Content & Practice: Research Methodology I**
 (4:3:1)
 Integration of the research process and qualitative and quantitative analysis including concept mapping, operationalization of concepts and appropriate statistical treatments. The practicum will focus on identifying clinical research questions and developing protocols for such questions. (Prerequisite: Successful completion of graduate research process course.)

NURS 60475 **Content & Practice: Research Methodology II**
 (4:3:1)
 Research designs, measurement theory and statistical approaches will be the focus of this course. The advantages and disadvantages of different designs using techniques of multivariate analyses with regard to the conceptualization and measurement of nursing phenomena, concept mapping and phases of operationalization will be examined. Approaches to assessment of reliability and validity relative to nursing instruments and the research process will be included. (Prerequisite: NURS 60474; computer requirement; multivariate statistics.)

NURS 60221
 (2:2:0)

Health Care Policy and Trends

The focus of this course is health policy development and implementation and the role of the health sciences in influencing policy. The social, political, business, health delivery, science, fiscal and other factors influencing health policy will be addressed. Health policy is analyzed relative to cost/benefit and/or cost/effectiveness analysis. Emphasis is on the effects of health policy on health care programs, programs of research, priorities in health care and funding sources. Open to graduate students in other disciplines.

NURS 70396 **Clinical Research Applications**

(Prerequisite: Study of advanced professional elements and issues, role(s) socialization.)

NURS 70476
(4:2:2)

Advanced Professional Seminar and Practicum

This course consists of seminar and practicum on the topic of gaining financial support for research and/or demonstration projects in nursing and health care related areas. Students analyze the funding criteria of various agencies and techniques of strategic communication. Students project budget development and packaging of ideas as information basic to creating successful proposals. Using a research or demonstration project with which he/she is familiar, the student creates a funding proposal and participates in critiques of colleagues' proposals. (Prerequisite: 9 semester hours of study of advanced patient care; NURS 60474. Doctoral student in good standing.)

NURS 6071
(NURS 60071)
(1:0:3)

Supervised Teaching

Directed teaching in the students' major area under close supervision of one or more faculty members is required of each doctoral student. Up to 6 semester hours of credit toward a degree may be granted to the student. In order to receive this credit, the student must enroll in a special graduate course in Supervised Teaching in his or her area and receive a grade of S.

NURS 70099

Dissertation

Faculty

Aguilar, Irma, R.N., M.S.N., M.A., Assistant Professor - B.S.N. (West Texas State University), M.A. (University of Texas, Permian Basin), M.S.N., University of Texas at El Paso).

Armstrong, Myrna L., R.N., Ed.D., Professor — Diploma (Walther Memorial Hospital), B.S.N. (De Paul University), M.S. (De Paul University), Ed.D. (East Texas State University).

Becknal, Billie, R.N., C.S., M.S.N., Associate Professor of Clinical Nursing— Diploma (Methodist Hospital of Dallas), B.S.N. (West Texas State University), M.S.N. (University of Texas at Austin).

Caffrey, Roberta, R.N., M.S.N., Assistant Professor of Clinical Nursing — B.S.N. (Columbia University), M.S.N. (West Virginia University).

Cooke, Suzanne S., R.N., C.S., M.S.N., Associate Professor of Clinical Nursing—B.S.N. (West Texas State University), M.S.N. (University of Texas at Arlington.)

Cox, Helen C., R.N., C., Ed.D., F.A.A.N., Professor and Executive Associate Dean and Associate Dean, Continuing Nursing Education, — Diploma (Hillcrest Memorial Hospital), B.S.N. (Texas Christian University), M.S.N. (University of Texas at Austin), Ed.D. (Texas Tech University).

Dadich, Karen A., R.N., M.N., Associate Professor of Clinical Nursing, Interim Director of the Undergraduate Program, — B.S.N. (Carlow College, formerly Mt. Mercy College), M.N. (University of Pittsburgh).

Decker, Sharon I., R.N., C.S., M.S.N., CCRN, Associate Professor of Clinical Nursing, Director of Clinical Simulations, — B.S.N. (Baylor University), M.S.N. (University of Texas at Arlington).

Desai, Snehlata, R.N., D.N.S., Assistant Professor - B.Sc. (College of Nursing, Gujarat University, India), M.N. (College of Nursing, Delhi University, India), D.N.S., (Louisiana State University).

Ducote, D'Ann, Ph.D., A.A.M.F.T., Associate Professor— B.A. (Angelo State University), M.A. (West Texas State University), Ph.D. (Texas Tech University).

Fowler, Melanie, R.N., M.S.N., O.C.N., Instructor—B.A. (University of New Mexico), B.S.N. (University of New Mexico), M.S.N. (University of New Mexico).

Fox, Helen, R.N., M.S.N., P.N.P., Instructor—B.S.N. (Catholic University), M.S.N. (Catholic University).

Galvan, Toni, R.N., M.S.N., CCRN, Assistant Professor— B.S.N. (Texas Christian University), M.S.N. (University of Texas Health Science Center at San Antonio).

Gary, Annette, R.N., M.S.N., C.N.A.A., Instructor — B.S.N. (Texas Tech University), M.S.N. (Texas Tech University Health Sciences Center).

Grimes, Corinne, R.N., M.S.N., Assistant Professor — Diploma (New England Baptist Hospital School of Nursing), B.S.N. (University of Texas, Austin), M.S.N., (University of Texas, Austin).

Hart, Marie, L., R.N., C., M.S.N., Instructor — Diploma (Pennsylvania Hospital), B.S.N. (West Texas State University), M.S.N. (Texas Tech University Health Sciences Center).

Hicks, Rodney W., R.N., M.S.N., C.C.R.N., F.N.P., Instructor — A.D. (Oklahoma State University), B.S.N. (Texas Tech University Health Sciences Center), M.S.N. (University of Texas at Arlington).

Hostetter, Christina M., R.N., M.P.H., Assistant Professor of Clinical Nursing—Diploma (St. Vincent's Hospital), B.S.N. (St. Louis University), M.P.H. (University of North Carolina).

Ienatsch, Gayleen, R.N., M.S.N., Instructor and Acting Regional Dean for the Permian Basin Campus — Diploma (Madison General Hospital), B.S.N. (Texas Tech University Health Sciences Center), M.S.N. (Texas Tech University Health Sciences Center).

Jackson, Dorothy, R.N., M.S.N., Assistant Professor - B.S.N. (West Texas State University), M.S.N. (University of Texas, Medical Branch in Galveston).

Johnson, Vicki Y., R.N., M.S.N., Assistant Professor of Clinical Nursing—Diploma (Methodist Hospital), B.S.N. (Texas Tech University Health Sciences Center), M.S.N. (Texas Tech University Health Sciences Center).

Karmels, Phyllis, R.N., M.S.N., M.Ed., Assistant Professor—A.D.N. (Gwynedd Mercy College), B.A.N. (Gwynedd Mercy College), M.S.N. (Villanova University), M.Ed. (Villanova University).

Langford, Teddy L., R.N., Ph.D., C.N.A.A., F.N.P., Professor—Diploma (Wichita General Hospital), B.S.N. (Incarnate Word College), M.S.N. (University of Texas System School of Nursing), Ph.D. (University of Texas at Austin).

Masten, W. Yondell, R.N., C., Ph.D., O.G., N.P., C.N.S., Professor—Diploma (Methodist Hospital of Lubbock), B.S. (West Texas State University), B.S.N. (West Texas State University), M.S. (Texas Tech University), M.S.N. (University of Texas at Austin), Ph.D. (Texas Tech University).

McConnell, Edwina A., R.N., Ph.D., Professor—B.S.N. (Boston University), M.S.N. (University of Colorado-Denver), Ph.D. (University of Illinois-Chicago).

Menix, Kristi D., R.N., M.S.N., C.N.A.A., Assistant Professor—Diploma (St. Vincent's School of Nursing), B.S.N. (Montana State University), M.S.N. (University of Texas at Arlington).

Merrill, Emily, R.N., C., M.S., Associate Professor of Clinical Nursing—B.S. (University of Oklahoma), M.S. (Texas Women's University).

Miller, Virginia G., R.N., M.S.N., Ph.D., Assistant Professor and Associate Dean, Practice Program (Lubbock)—B.S.N. (Ohio State University), M.S.N. (West Virginia University), Ph.D. (University of Texas at Austin).

Norton, Darlene, R.N., C., M.S., F.N.C., Assistant Professor—Diploma (Deacones Hospital), B.A. (Mercy College of Detroit), B.S.N. (University of Colorado), M.S. (University of Colorado).

Poe, Kip, R.N., M.S.N., J.D., Assistant Professor—B.S.N. (University of Texas at Arlington), M.S.N. (University of Texas Health Sciences Center at Houston), J.D., (University of Texas at Austin).

Ridenour, Nancy, R.N., C., Ph.D., F.N.C., Professor and Associate Dean, Graduate Program —B.S.N. (University of Colorado), M.S.N. (University of Colorado), Ph.D. (Texas Tech University).

Salewski, Ruby, R.N., M.Ed., Assistant Professor—Diploma (Methodist Hospital of Dallas), B.S.N. (University of Texas Medical Branch at Galveston), M.Ed. (University of Minnesota).

Smith, Jean, R.N., C., M.S.N., Instructor - B.S.N. (Texas Tech University Health Sciences Center), M.S.N. (Texas Tech University Health Sciences Center).

Spitz, Sue, R.N., C., M.S.N., Instructor — B.A.N. (College of Scholastica), M.S.N. (Texas Tech University).

Sridaromont, Kathryn L., R.N., M.S.N., Associate Professor of Clinical Nursing—Diploma (Hotel Dieu School of Nursing), B.S.N. (Incarnate Word College), M.S.N. (University of Texas System School of Nursing).

Swanson, Shelia, R.N., C., M.S.N., Instructor—BSN (Texas Tech University Health Sciences Center), M.S.N. (The University of Texas at El Paso).

Swick, Sandra S., R.N., C., M.S.N., Assistant Professor—A.D. (Northeastern Junior College), B.S.N. (West Texas State University), M.S.N. (West Texas State University).

Tradup, Janetta, R.N., C.S., M.S.N., Associate Professor—A.D.N. (University of Albuquerque), B.S.N. (West Texas State University), M.S.N. (University of Texas Health Science Center at San Antonio).

Valadez, Ana, R.N., Ed.D., C.N.A.A., F.A.A.N., Associate Professor — B.S.N. (Incarnate Word College), M.S.N. (Boston University), Ed.D. (Nova University).

Wise, Patricia S. Yoder, R.N., C., Ed.D., C.N.A.A., F.A.A.N., Professor and Dean — B.S.N. (The Ohio State University), M.S.N. (Wayne State University), Ed.D. (Texas Tech University).

Adjunct Faculty

Margaret H. Brackley
Melissa Brannon
Sally Carmen
Brenda Cleary
Nelda Dippel
Kathleen Griffin
Patty Hawken
Karen Herpolsheimer
Doug Hubbard
Ken Ketner
Pat Leins
Laurel Lott
Mary Ann Matteson
Mary McClendon

Debra McCullough
Wealtha McGurn
Suellen B. Reed
Jack Rogers
Carolyn Routledge
Sandra Sabatini
Sue Sherman
Virginia Sicola
Roxane Spitzer-Lehman
Sue Stainbrook
Kathleen Stevens
Paula Toland
Mary Louise Traczyk
Les White

