The College of Health Professions was established in 1970. Programs of study are offered in dental hygiene, health services management and community development, medical technology, nursing, physical therapy, physician assistant, and public health. The primary emphasis of the college’s health professions programs is the preparation of entry-level health professionals. Additionally, the college provides such services as emergency medical training (MICT is currently suspended), continuing education, and graduate education for health professionals.

The curricula of the health professions programs build upon a foundation of courses from the liberal arts and sciences, education, health science, and business. In addition to the on-campus academic experience, health professions students learn in clinical settings as they care for patients and interact with clients of the health care system. All clinical programs are dependent upon the outstanding health care facilities within Wichita and surrounding areas.

Programs in the college are accredited through the following agencies: the Commission on Dental Accreditation of the American Dental Association, the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association, National League for Nursing, Kansas State Board of Nursing, Council on Education for Public Health, Kansas Board of Emergency Medical Services, the Commission on Accreditation of Allied Health Education Programs, the National Accrediting Agency for Clinical Laboratory Sciences, and Accreditation Review Commission on Education for the Physician Assistant.

Licensing

Many state and national licensing and governing organizations will not grant a license, certification, registration, or other similar document to practice unless the applicant has met all established requirements. Prospective applicants are encouraged to consult with one’s chosen professional governing or licensing organization for more detailed information before applying.

Essential Functions/Technical Standards

Essential functions/technical standards define the attributes that are considered necessary for students to possess in order to complete their education and training, and subsequently enter clinical practice. These essential functions/technical standards are determined to be prerequisites for entrance to, continuation in, and graduation from a student’s chosen discipline in the WSU College of Health Professions.

Students must possess aptitude, ability, and skills in five areas: observation; communication; sensory and motor coordination and function; conceptualization, integration, and quantification; and behavioral and social skills, ability, and aptitude. The essential functions/technical standards described by a student’s chosen discipline are critically important to the student and must be autonomously performed by the student. It should be understood that these are essential function/technical standards for minimum competence in a student’s discipline. Contact specific programs for detailed essential functions/technical standards. Reasonable accommodation of disability will be provided after the student notifies the department of the disability, and the disability has been documented by appropriate professionals.

Degrees Offered

Undergraduate

Of the programs offered at the undergraduate level, five lead to bachelor’s degrees—dental hygiene, health services management and community development, medical technology, nursing, and physician assistant.

In addition, the Associate of Science is awarded in dental hygiene. Students in the Emergency Medical Training (EMT) program receive a certificate of completion. The Associate of Applied Science for Mobile Intensive Care Technicians (MICT) or paramedics is currently suspended.

Graduate

Three programs lead to the master’s degree—public health, nursing, and physical therapy. Admission to the Master of Public Health (MPH) program requires a bachelor’s degree and the fulfillment of additional requirements.

The master of Public Health (MPH) Program prepares graduates for leadership positions across the health care system. This 36 credit hour degree program is appropriate for individuals interested in acquiring the multi-dimensional and multi-disciplinary knowledge and skill base necessary to:

1) build and strengthen the organizations and agencies that deliver health care and public health services to our nation’s communities and 2) partner effectively with community residents and representatives to develop healthy communities and enhance well being at the population level. A graduate certificate in public health is available for individuals whose primary goal is public health training.

A Master of Science in Nursing (MSN) program, designed to meet the needs and professional goals of the student, is offered for part- or full-time study. Specializations offered are clinical nurse specialist in adult health and illness, and pediatrics; nurse practitioner in acute care, family, pediatrics, and psychiatric/mental health nursing; nurse midwifery; and the MSN in nursing and health care systems administration or a dual degree, MSN and Master of Business Administration. Role development in education, informatics, and administration is available. Post-master’s (graduate) certificates are also offered.

An entry-level master’s program (MPT) is offered in physical therapy. The program prepares graduates to enter the clinical practice of physical therapy, where the focus is on clinical skills, education, research, and administration. Graduates are prepared to specifically evaluate and treat neuromuscular, cardiovascular, pulmonary, and sensorimotor functions.

More information on graduate programs is available in the WSU Graduate Bulletin.

Policies

Undergraduate Admission

Students who have declared a major in one of the programs in health professions will be admitted directly to the College of Health Professions upon admission to WSU.

Admission to the college does not guarantee acceptance into any of the undergraduate professional programs. To be admitted to a professional program, students must be accepted into Wichita State University and the College of Health Professions, apply for admission to a particular program, and be accepted by the admissions committee of that program. See the individual programs for application procedures.

Progression

To progress in courses offered in the professional programs, students must earn an S, C, or better in program courses required for the major and any other courses so designated by the program. In courses which combine theory and clinical practice, students must receive an S, C, or better in both segments of the course in order to pass the course. Students who fail to meet these requirements may be dismissed from the program. If the student’s overall grade point average remains at 2.000 or above, the student may petition the Committee on Admission and Progression in his/her program to remain in the program. Students should check the individual program sections of the Undergraduate Catalog for additional requirements.

Probation and Dismissal

Students are placed on probation for the next term in which they enroll if their cumulative or overall WSU grade point average falls below 2.000. Students remain on probation even though they earn a 2.000 grade point average in the term during which they are on probation if their cumulative and WSU grade point averages are not at least 2.000. Probation is removed when a student’s cumulative and WSU...
grade point average meets the required academic level.

Students on probation may not enroll for more than 12 semester hours in the fall or spring semester, or 5 hours in the Summer Session, excluding 1 hour of physical education. Exception to this limitation may be made on the recommendation of a student’s advisor with the approval of the dean of the college.

Students on probation are subject to academic dismissal from the college if their grade point average for the semester during which they are on probation falls below 2.000. Dismissal will not occur until students fail to achieve a 2.000 grade point average for the last 12 hours attempted while on probation.

Students assigned to affiliating health facilities for clinical education will be subject to dismissal from the professional program for failure to comply with the rules, regulations, or professional standards governing that facility.

Exceptions
Students may petition the program, college, or University for exception to any requirement. Students are required to discuss all petitions with their college/program advisor prior to submission of the petition. Petitions may or may not be approved by the body to whom the petition is made.

Graduation Requirements
All health professions students who are pursuing bachelor’s degrees must meet general University requirements and fulfill the course requirements specified in the curriculum of the department offering the degrees.

A minimum of 30 credit hours in course work in residence at WSU is required for all students seeking bachelor’s degrees at WSU. In addition, these students must also complete all University, college, and departmental requirements for the degrees being sought including a minimum of 45 hours of upper division courses. Completion of University courses is counted toward fulfillment of the residency requirement. For specific requirements, consult the individual program sections of the Catalog.

Credit by Examination
Some of the programs in the College of Health Professions offer equivalency or competency examinations. By taking these exams, students may earn credit or receive advanced placement. To qualify for such exams, students must:

1. Be accepted into the program (major) in which the course is offered as part of the professional curriculum.
2. Meet any other eligibility requirements stated by the particular program. (See the appropriate program’s section in the Catalog.)

Exception to these requirements may be granted to non-majors by the chairperson/director of the program offering the course.

Students should check with their program advisors regarding eligibility and prerequisite requirements for this type of examination. Transcripts will identify the courses and credits received by students taking equivalency/competency examinations. Fees are assessed, in advance, for the administration of the examinations.

Cooperative Education
The College of Health Professions is one of the participating colleges in the University’s Cooperative Education program. This program is designed to provide off-campus paid employment experiences that integrate, complement, and enhance the student’s regular academic program while providing academic credit. Students are placed for field study experiences in a variety of health settings, including hospitals and community agencies. Individualized field studies are formulated in consultation with the student and the employer and are approved by the program faculty advisors and the cooperative education coordinator for the college. Participation in the program requires enrollment for credit in specific cooperative education courses designated by the various academic programs in the college; these undergraduate courses may have prerequisites or other specific requirements for enrollment. To enroll in the program or for more information, students should contact the cooperative education office or a College of Health Professions advisor.

Clinical Affiliation
The college, because of its location in Wichita, has affiliation agreements with various excellent health facilities which assist in the clinical education of students. The clinical affiliates include a wide variety of hospitals, long-term care facilities, public schools, private practitioners, and community agencies.

Liability Insurance Requirements, Health Insurance, and Health Standards
Most students are required to purchase professional liability insurance (the specific level is determined by the professional program) as well as personal health insurance at the beginning of the professional phase of a College of Health Professions program. Additionally, other health standards are required prior to entry into the clinical agencies. Students should communicate with individual programs about specific requirements.

Financial Assistance
Scholarships and student loan funds are available for students in health professions. Information on these and other scholarships and loans is available from the WSU Office of Financial Aid and the program from which the student is seeking a degree or certificate.

Special Certificate Programs
The College of Health Professions offers a certificate program in basic emergency care training. A graduate certificate in public health is also offered.

Degree Requirements and Course Listings
School of Health Sciences
The School of Health Sciences offers programs leading to the Bachelor of Science in Dental Hygiene, the Bachelor of Science in Health Services Management and Community Development, the Bachelor of Science-Medical Technology, and the Bachelor of Science-Physician Assistant.

In addition, the Associate of Science is awarded in basic Emergency Medical Training (EMT) and the Associate of Applied Science for Mobile Intensive Care Technicians (MICT) or paramedics (currently suspended).

The School of Health Sciences offers the Master of Public Health and Master of Physical Therapy degrees. For more information about the master’s degree programs, refer to the WSU Graduate Bulletin.

Specific requirements for each degree are described under the appropriate listing below.

Health Professions-General (HP)
Lower-Division Courses

HP 101 An Introduction to the University (3). Assists students in acquiring the academic and life skills essential to become a successful college student. Provides information, resources, and support to promote opportunities for success. Introduces and utilizes resources within the University and the community. Recommended for all degree-bound students entering WSU for the first time.

HP 150 Workshop in Health Professions (1-10). Intensive study of special topics related to health professions practice, education, and research.

HP 151 Career Networking Experience (1). Offers students the opportunity to participate in a mentoring relationship with a WSU health professions alum. Students experience what it’s like working in a career they are considering, interact with professionals in their chosen career, and become part of the professional culture of the work place. Seminars taught by WSU faculty/staff provide in-depth information regarding stress management, corporate communication, job search skills, and networking. Graded Cr/NCr. Prerequisites: instructor’s consent, at least 12 credit hours completed, and 2.500 GPA.

HP 201 Exploring the Health Professions (2). Introduces the health care field with an overview of today’s health care system. Explores the attributes needed to be a health professional, the coping mechanisms needed, what it means to be a student in the professional programs, and health care challenges from both a patient’s and provider’s point of view. Introduces various health professions and allows students to explore a field of their choosing. Co-requisite: HP151.
HP 203. Medical Terminology (2). Provides the foundation of medical terminology for individuals who need a familiarity of the medical language. Ideal for pre-professional students preparing for one of the health professions or students currently enrolled in a health professions program. Also valuable for individuals such as medical records technicians, medical transcriptionists, medical secretaries, medical insurance personnel, administrators in health care, and pharmaceutical representatives.

Upper-Division Courses

HP 303. Medical Terminology (3). Provides the foundation of medical terminology and its application to the health care environment. Ideal for pre-professional students preparing for one of the health professions or a student currently in a health professions program. Emphasizes accurate interpretations and analysis of patient, hospital, and other medical records. Students cannot receive credit for both HP 203 and HP 303.

HP 325. Selected Topics (1-4). Lecture/discussion; focuses on a discrete area content relevant to the health disciplines. In-depth study of a particular topic or concept, including didactic and current research findings and technological advances relevant to the topic. Repeatable to a maximum of 6 credit hours with program consent, upper-division status.


Courses for Graduate/Undergraduate Credit

HP 570. Selected Topics (1-4). Lecture/discussion; focuses on a discrete area content relevant to the health disciplines. In-depth study of a particular topic or concept, including didactic and current research findings and technological advances relevant to the topic. Repeatable to a maximum of 6 credit hours with program consent, upper-division status.

HP 750. Workshop in Health Professions (1-4). An opportunity for intensive study of special topics relevant to health profession practice, education, or research.

Basic Health Sciences (HS)

Upper-Division Courses

HS 301. Clinical Pharmacology (3). Surveys therapeutic terms, drug actions, dosage, toxicity, and application of drugs in the clinical setting. Prerequisites: BIOL 223 or equivalent and CHEM 103 or 111 or equivalent or instructor's consent.

HS 315. Head and Neck Anatomy (2). An in-depth study of the landmarks, muscles, nerves, and vascular supply of the head and neck region. Prerequisites: BIOL 223 and enrollment in Dental Hygiene Program.

HS 331. Principles of Dietetics and Nutrition (3). Study of human dietetic and nutritional needs in the clinical setting. Covers composition and classification of foods, vitamins, and their function; food and public health laws; and nutrition under special conditions. Gives a detailed application of dietetic and nutritional knowledge applied to various clinical conditions.

HS 400. Introduction to Pathophysiology (4). Focuses on the essential mechanisms of disordered function which produce common diseases. Discusses some common diseases, but as examples of the basic processes covered, not as a part of an exhaustive inventory. Presents the health professional with accessible, useable, and practical information they can broadly and quickly apply in their clinical or laboratory experience, or use as a basic pathophysiology course before taking the more specific professionally related pathophysiology courses.

Courses for Graduate/Undergraduate Credit

HS 400. Introduction to Pathophysiology (4).

HS 631. Normal and Clinical Nutrition (4). Studies human nutritional needs in normal development and the life cycle. Covers composition, classification and function of foods and nutrients, food handling and public health safety and laws, and nutrition in special situations. Includes a study of principles of nutritional support and diet as therapy. Addresses the dietary concerns of a variety of clinical disorders, including gastrointestinal disorders, diabetes mellitus, cancer, burn, liver disease, obesity and weight loss, eating disorders, HIV infections, kidney and cardiovascular disease, parenteral and enteral nutrition, and surgical conditions. Studies nutritional assessment, data interpretation, care planning, record keeping, and client communications. Prerequisites: general chemistry, anatomy, and physiology.

HS 700. Gross Anatomy (6). 3R; 9L. For students in the physical therapy program. Study of the structure of the human body emphasizing integration of anatomical information with human functional abilities. Prerequisites: four semesters of biological sciences or program consent.

HS 710. Applied Clinical Pharmacology (3). Discusses clinical applications of selected drug classes commonly prescribed in the primary care setting as well as the follow-up management of common chronic diseases. Discusses pharmacological management as to pharmacokinetics, dosages, mechanisms of action (at molecular and systemic levels), side effects, drug interactions, contraindications, therapeutic use, and expected outcomes. Emphasizes the practical application of this knowledge in various patient populations of all ages as well as rational drug selection and monitoring. Methodology includes lecture, pre-examinations, group discussions, clinical case studies, assessment of recent literature, homework assignments, quizzes, and exams. Prerequisite: PHS 301, admission to graduate health professional program or PA professional program, or instructor's consent.

HS 711. Pharmacological Management of Acute and Chronic Diseases. (3). Discusses the clinical application of specific categories of drugs used in the treatment of several common acute and chronic diseases. Presents pharmacokinetics, mechanisms of action, dosages, side effects, and monitoring parameters of medications as they are used in these diseases and in various patient populations. Facilitates clinical application of this knowledge through case studies, class discussions, and reviews of the latest medical literature. Prerequisites: admission to graduate nursing program and department consent or completion of PHS 710 and admission to PA professional program.

HS 720. Neuroscience. (3). 3R; 2L. Integration of neuroanatomy and neurophysiology of the central and peripheral nervous systems with human functional abilities. Prerequisite: HS 700 or program consent.

Dental Hygiene (DH)

Associate of Science

The associate degree program in dental hygiene provides students with knowledge of the social, dental, and clinical sciences and competencies needed by the dental hygienist in contributing to the attainment of optimum oral health for all people. Upon completion of the five-semester program (including one summer), students are eligible to take the national, regional, and state examinations for licensure as dental hygienists. Wichita State’s program is accredited by the American Dental Association’s Commission on Dental Accreditation.

Professional Curriculum

Admission. In addition to fulfilling all requirements for admission to the University, students wishing to enroll in the dental hygiene program must apply for, and obtain approval of the Admissions Committee of the Dental Hygiene Department. Acceptance into the College of Health Professions does not guarantee admission into the dental hygiene program. Persons interested in the dental hygiene program should direct their inquiries to the Chairperson, Dental Hygiene Department, Wichita State University, Wichita, Kansas 67260-0144.

To qualify for admission to the dental hygiene program, applicants must be high school graduates or have passed the General Education Development test.

Students must meet the following admission criteria. They must:

1. Have taken or be enrolled in BIOL 223, Human Anatomy and Physiology; CHEM 103, General Chemistry; ENGL 101, College English I; PSY 111, General Psychology; BIOL 220, Introduction to Microbiology; and HS 301, Principles of Dietetics and Nutrition. 
2. Maintained a minimum grade point average of 2.500 in all college work.
3. Have a minimum grade of C in all prerequisite courses.
4. Complete Wichita State University and College of Health Professions general admission requirements.

Students must also have their admission approved by the program's committee on admissions.

Curriculum. The following courses, totaling 81 hours, must be taken by dental hygiene students.

Course     Hrs.
Prerequisite courses for admission to the dental hygiene program:
Biol 223, Human Anatomy and Physiology ...........5
Chem 103, General Chemistry ..........................5
Engr 101, College English I ............................3
Psyc 111, General Psychology ..........................5
Biol 220, Introduction to Microbiology ..................4
Hs 331, Principles of Dietetics and Nutrition ............3

Plus the following:
Comm 111, Public Speaking ............................3
Soc 111, Introduction to Sociology .......................3
Dh 101, Preclinical Dental Hygiene .......................5
Dh 104, Clinical Radiology ...............................4
Dh 201, Dental Hygiene Concepts .........................3
Dh 202, Clinical Dental Hygiene I .........................3
Dh 206, General and Oral Pathology ......................3
Dh 280, Oral Anatomy ..................................1
Dh 295, Oral Histology and Embryology ..................2
Dh 301, Dental Materials ................................2
Dh 302, Clinical Dental Hygiene II .......................2
Dh 303, Dental Hygiene Concepts II .....................2
Dh 304, Dental Hygiene Concepts III ....................2
Dh 307, Ethics and Jurisprudence .........................2
Dh 310, Community Dental Hygiene .....................3
Dh 314, Introduction to Periodontics .....................3
Dh 316, Pain Management ................................2
Dh 323, Clinical Dental Hygiene III .....................3
Dh 324, Clinical Dental Hygiene IV ......................4
Dh 409, Introduction to Research for the Health Professions ........................................1
Hs 301, Clinical Pharmacology ..........................3
Hs 315, Head and Neck Anatomy ........................2

Special Requirements
Students are required to purchase uniforms and instruments needed during clinical learning experiences. Students also are required to purchase professional liability insurance and personal health insurance on an annual basis. In addition, students are required to provide their own transportation to and from the health care agencies used for clinical experiences.

Information related to special requirements is available to students in the office of the Dental Hygiene Department, Wichita State University, Wichita, Kansas 67260-0144.

Bachelor of Science
The Bachelor of Science in Dental Hygiene degree is available to registered dental hygienists who seek to expand their role into such areas as community dental hygiene and education. Students interested in more information should contact the college dean's office student advisor.

Registered dental hygienists must:
1. Submit verification of current license to practice as a dental hygienist.
2. Submit official transcripts of college courses and records verifying completion of an accredited dental hygiene program.

Transcript evaluation will determine the exact general education and dental hygiene associate degree requirements to be completed.

Course     Hrs.
Prerequisite courses for admission to the dental hygiene program:
Engr 102, College English II ............................3
Math 111, College Algebra ................................3
Electives from the following categories:
Introductory Fine Arts (1) ................................6
Introductory Humanities (2) ...............................6
Further Study or Issues and Perspectives in Fine Arts or Humanities (1) ....................3
Further Study or Issues and Perspectives in Social or Behavioral Science (1) ............3
Introductory Natural Science and Math (1) ..........................3-5
Further Study or Issues and Perspectives in Natural Science and Math (1) ..................3-5

Professional Curriculum
Core:
Dh 420, Educational Methodology in Dental Hygiene ........................................3
Dh 452, Community Dental Health Management ..........................3
Dh 486, Field Internship ..................................3
Hs 320, Overview of Health Services Delivery ..................3
Cesp 704, Introduction to Educational Statistics (or equivalent) .........................3

Electives (6 hours)
Dh 462, Community Dental Health Management ..........................3
Dh 470, Issues in Dental Hygiene ................................3
Dh 481, Cooperative Education ................................3
Hs 343, Program Planning/Development in Health Service Organizations ..............3
Hs 400, Introduction to Pathophysiology ................................3

Lower-Division Courses
Dh 101, Preclinical Dental Hygiene (5). 3R; 7L. Fall semester only. Presents the basic philosophy of dentistry and dental hygiene. Considers measures that can be employed to prevent oral disease and promote dental health. Gives laboratory instruction in instrumentation for removal of deposits from the teeth. Prerequisite: program consent.

Dh 104, Clinical Radiology (4). 3R; 3L. Presents the theory and practice of exposing, processing, and mounting X-ray films. Uses laboratory periods to gain proficiency in X-ray techniques. Stresses care of the equipment. Prerequisite: program consent.

Dh 201, Dental Hygiene Concepts I (3). Spring semester only. Prepares dental hygiene students to assess, plan, implement, and evaluate the clinical care of patients. Emphasizes oral health promotion, dental hygiene diagnosis, patient motivation, and procedures for controlling plaque. Provides the tools to enable students to analyze individual patient needs and design appropriate professional and home care regimens. Prerequisite: departmental consent.

Dh 202, Clinical Dental Hygiene I (3). 12L Spring semester only. Emphasizes providing patient care in a clinical setting and nutritional counseling. Stress basic instrumentation techniques as well as the prevention of dental disease. Develops patient evaluation and treatment planning skills. Prerequisite: program consent.

Dh 206, General and Oral Pathology (3). Spring semester only. Surveys general pathology of tissues and organs of human anatomy. Discusses dental pathology of the teeth, dental pulp, and oral tissues. Considers the signs, symptoms, and manifestations of oral lesions through lectures and visual aids. Prerequisite: program consent.

Dh 281, Cooperative Education Field Study (1-8). Provides the student with a field placement which integrates theory with a planned and supervised professional experience designed to complement and enhance the student’s academic program. Individualized programs must be formulated in consultation with and approved by appropriate faculty sponsors and cooperative education coordinators. Prerequisites: completion of the first semester and satisfactory academic standing prior to the first job assignment. May be repeated for credit.

Dh 290, Oral Anatomy (1). 1R; 5L. Studies tooth morphology, arrangement, function, and characteristics. Emphasizes the role of tooth morphology as it influences the practice of dental hygiene. Prerequisite: program consent.

Dh 295, Oral Histology and Embryology (2). Studies the developmental and microscopic anatomy of the oral cavity including hard and soft tissues. Prerequisite: program consent.

Upper-Division Courses
Dh 301, Dental Materials (2). 1R; 2L. Fundamental instruction in practical laboratory phases of modern technique and the manipulation of materials and equipment used in dental practice and expanded auxiliary practice. Prerequisite: program consent.

Dh 302, Clinical Dental Hygiene II (2). Continued development of proficiency of clinical techniques emphasizing advanced periodontal instrumentation techniques. Class meets during Summer Session. Prerequisite: program consent.
DH 303. Dental Hygiene Concepts II (2). Fall semester only. Seminar discussion of current and advanced clinical concepts as well as topics related to the treatment of the medically compromised patient. Prerequisites: DH 201 and program consent.

DH 304. Dental Hygiene Concepts III (2) Spring semester only. Discussion of dental specialties and explanation of the rationale for treatment prescribed by the dentist. Prerequisite: program consent.

DH 307. Ethics and Jurisprudence (2). Spring semester only. Surveys laws governing the practice of dentistry and dental hygiene; types of professional work for which students may qualify; the economics and ethics of the profession. Prerequisite: program work.

DH 310. Community Dental Hygiene (3). Covers dental public health and community dental hygiene, focusing on education and prevention. Covers the professional philosophy and foundations of dental health education in a community health context, as well as an in-depth study of certain aspects of dental public health such as fluoridation, epidemiology, and program development. Students develop dental health education materials and give presentations in the community.

DH 314. Introduction to Periodontics (3). Spring semester only. Covers the supporting structures of the teeth and an overview of both the biological and clinical aspects of periodontology. Enables dental hygiene students to recognize and differentiate periodontal health from disease, formulate appropriate treatment plans, select appropriate adjunctive therapies, and recognize the role of the dental hygienist as a periodontal cotherapist in initial periodontal therapy and maintenance. Also includes periodontal surgery, occlusal evaluation, antibiotics, and antimicrobial agents, periodontal dressing, and suture removal. Emphasizes the evaluation of a periodontal case study resulting in the development of a periodontal treatment plan. Prerequisite: program consent.

DH 316. Pain Management (2). 1R; 2L. Fall semester only. Enhances the dental hygiene student’s knowledge of the mechanisms of pain, the control of dental pain through the administration of topical anesthetics, infiltration, and block anesthesia; and use of nitrous oxide. Emphasizes a thorough understanding of the pharmacology of dental drugs and their interaction with the client’s current conditions and medications. Prerequisite: HS 301.

DH 323. Clinical Dental Hygiene III (3). 12L. Fall semester only. Continued development of clinical proficiency and utilization of various scaling techniques and instruments. Prerequisite: program consent.

DH 324. Clinical Dental Hygiene IV (4). 16L. Spring semester only. Final semester of clinical dental hygiene. Students utilize information and skills acquired in previous courses and continue to demonstrate proficiency and increase their level of competency in all objectives from DH 202, 302, and 323. Prerequisite: program consent.

DH 348. Clinical Skills Update (1-3). Provides clinical remediation to graduate dental hygienists who wish to review and enhance clinical skills. Students develop a self-study plan to enrich their knowledge and skill above that offered in the dental hygiene core curriculum. Emphasizes identification of clinical skill level, development of remediation schedule, and self-evaluation skills. Student negotiates with dental hygiene program as to the hours of lecture and clinical practice needed to reach student’s goals. Graded Cr/NC: Prerequisite: must be a graduate of an accredited dental hygiene program.

DH 350. Pain Management (2). Updates the practicing dental hygienist in the didactic and clinical administration of infiltration and block anesthesia and the use of nitrous oxide. Emphasizes the mechanisms of pain, a thorough understanding of the pharmacology of dental drugs and their interactions with the client’s current conditions and medications, and clinical experience in the administration of infiltration and block anesthesia. Prerequisites: must be licensed dental hygienist and graduate of an accredited dental hygiene program.

DH 405. Concepts and Principles of Dental Hygiene Administration (3). Examination and seminar discussion of the following topics: administrative theory, principles and concepts of organizations, history of management thought, planning and effecting innovation, business administration and finance, operations, motivation, leadership, conflicts, and communication. Prerequisite: program consent.

DH 409. Introduction to Research for the Health Professions (1). An introduction to the scope, format, and use of research in the health professions. Develops the ability to be a critical consumer of professional literature and the initiator of research projects. Prerequisite: program consent.

DH 420. Educational Methodology in Dental Hygiene (3). Seminar dealing with the implementation of teaching and learning theory and its application in the formation of a course of instruction. Students gain experience in teaching undergraduate students in laboratory/clinical settings. Prerequisite: program consent.

DH 425. Advanced Periodontics (3). An in-depth study of advanced periodontal, diagnostic, and treatment modalities with application to the clinical setting utilizing evidence-based patient specific protocols. Expands student’s ability in assessment, diagnostic, and treatment planning skills. Prerequisite: DH 314 or equivalent.

DH 430. Curriculum Development in Dental Hygiene Education (3). A continuation of DH 420. Focuses on the development of an educational curriculum for a dental hygiene program. Additional opportunities are available for instruction in the clinical/laboratory setting. Prerequisite: program consent.

DH 452. Community Dental Health Management (3). Focuses on the oral health care delivery system and the role of the dental hygienist in managing oral health care. Emphasizes community and dental public health settings and population groups underserved by the current private practice setting. Prerequisites: DH 310 or equivalent and PHS 320.

DH 455. Personnel Management in Dental Hygiene (3). Analysis of personnel management and completion of a personnel simulation, including job analysis, recruitment, interviewing, testing, job evaluation, wage determination, training, employee evaluation, and career development. Prerequisite: program consent.

DH 462. Special Projects in Dental Hygiene (1-3). Individual study of selected topics, didactic and/or clinical, to enhance the student’s knowledge base and competencies in clinical or community dental hygiene practice.

DH 465. Research in Dental Hygiene (3). A practical approach to the application and acquisition of basic research techniques as related to community dental public health or clinical dental hygiene. Includes the student and identification of research problems; review of related literature, development of research hypotheses, and research methodology. Prerequisite: DH 462.

DH 468. Field Externship (3). The research proposal or community dental health project developed in DH 465 is implemented. Student collects data concerning a special problem in community dental health or clinical dental hygiene, undertakes data analysis, and draws conclusions relative to the stated hypothesis. Prerequisite: DH 465.

DH 470. Issues in Dental Hygiene (3). Analyzes various professional issues in clinical or community dental hygiene focusing on issues ranging from concerns within the local practice setting to national policy issues. Examines theories and applications uniquely suited to the dental health care delivery system.

DH 481. Cooperative Education (3). An independent study course for the registered (licensed) dental hygienist to obtain college credit for their work experience when accompanied by an academic endeavor determined by the student in consultation with a faculty advisor. Prerequisites: Associate of Science in Dental Hygiene or equivalent; enrolled in Bachelor of Science in Dental Hygiene program.

Medical Technology (MED T)

The medical technologist’s role in the healthcare team is to accurately and precisely perform laboratory procedures in order to aid in the prevention, diagnosis, and treatment of diseases. Most medical technologists are employed in medical laboratories in settings such as hospitals, clinics, reference labs, and physicians’ offices. The medical technologist also has the skills necessary for employment in related areas such as laboratory and pharmaceutical sales; quality assurance in industries such as food, beverage, chemicals, milling, and plastics; office laboratory consulting; forensic medicine; research; molecular diagnostics and veterinary medicine.
Bachelor of Science in Medical Technology
The Bachelor of Science program in medical technology, requiring a total of 131 hours, includes 72 hours of pre-medical technology curriculum in the basic sciences, social sciences, humanities, and communication. The University-based program includes structured lecture and laboratory experiences in the University’s student clinic, clinical laboratory as well as in the program’s affiliated laboratories: Wesley Medical Center, Via Christi-St. Francis Campus, Via Christi-St. Joseph Campus, the Wichita Clinic, and the Veterans Administration Medical Center, Wichita; Hutchinson Hospital Corporation, Hutchinson; Central Kansas Medical Center, Great Bend; Asbury-Salina Regional Medical Center, Salina; and St. Catherine Hospital, Garden City; Colmery-O’Neil Veterans Hospital and St. Francis Medical Center, Topeka, and Aspen Valley Hospital, Aspen, CO. Upon successful completion of the program, students are granted the Bachelor of Science in medical technology and are eligible to sit for the national certification examinations.

Preprofessional Curriculum
<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>Basic Skills</td>
<td>12</td>
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<tr>
<td>ENGL 101 and 102</td>
<td>6</td>
</tr>
<tr>
<td>COMM 111, Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>MATH 111, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts and Humanities</td>
<td>12</td>
</tr>
<tr>
<td>One Introductory course from a Fine Arts discipline</td>
<td>3</td>
</tr>
<tr>
<td>One Introductory course from each of two Humanities disciplines</td>
<td>6</td>
</tr>
<tr>
<td>A Further Study course from same discipline as Introductory course or an Issues and Perspectives course in Fine Arts or Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

Social and Behavioral Sciences | 9 |
| PSY 111, General Psychology | 3 |
| One Introductory course from a different Social and Behavioral Sciences discipline | 3 |
| A Further Study course from same discipline as Introductory course or an Issues and Perspectives course in Social and Behavioral Sciences | 3 |

Natural Sciences and Mathematics | 48 |
| BIOL 210, General Biology I | 4 |
| BIOL 211, General Biology II | 4 |
| BIOL 223, Introduction to Anatomy and Physiology | 5 |
| BIOL 300, General Microbiology | 5 |
| CHEM 111, General Chemistry | 5 |
| CHEM 112, General and Inorganic Chemistry | 5 |
| Course coverage in organic chemistry (CHEM 531, 5 hours, or CHEM 533 and 534, 5 hours) | 5 |
| CHEM 661, Introduction to Biochemistry, or HS 400, Introduction to Pathophysiology | 4-
| MED T 405, Medical Immunology | 3 |

*May substitute CHEM 514 and 523, General and Analytical Chemistry (10 hours), if prerequisites are met. Check with advisor.

Admission to Professional Curriculum
Applications should be submitted to the medical technology program by May 1 for fall entry, October 1 for spring entry.
To qualify as a candidate for admission to the professional phase, the student must:
1. Be admitted to Wichita State University
2. Be in the process, or have completed, the pre-professional requirements
3. Submit application to department
4. Submit three letters of recommendation
5. Have a minimum GPA of 2.500
6. Complete professional goal statement.
Acceptance into the professional phase of the program is determined by the Medical Technology Admissions Committee.

Professional Curriculum
<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED T 400, Clinical Laboratory Management/Education</td>
<td>3</td>
</tr>
<tr>
<td>MED T 406, Foundations of Laboratory Practice</td>
<td>2</td>
</tr>
<tr>
<td>MED T 450 and 451, Clinical Chemistry I and lab</td>
<td>5</td>
</tr>
<tr>
<td>MED T 452, Analysis of Body Fluids</td>
<td>3</td>
</tr>
<tr>
<td>MED T 456 and 457, Clinical Chemistry II and lab</td>
<td>5</td>
</tr>
<tr>
<td>MED T 459, Applied Clinical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>MED T 460 and 461, Hematology I and lab</td>
<td>4</td>
</tr>
<tr>
<td>MED T 466 and 471, Hematology II and lab</td>
<td>4</td>
</tr>
<tr>
<td>MED T 469, Applied Hematology</td>
<td>3</td>
</tr>
<tr>
<td>MED T 470 and 471, Immunohematology I and lab</td>
<td>4</td>
</tr>
<tr>
<td>MED T 476 and 477, Immunohematology II and lab</td>
<td>3</td>
</tr>
<tr>
<td>MED T 479, Applied Immunohematology</td>
<td>3</td>
</tr>
<tr>
<td>MED T 480, Immunology/Serology</td>
<td>1</td>
</tr>
<tr>
<td>MED T 486, Clinical Laboratory Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>MED T 489, Applied Clinical Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MED T 490 and 491, Clinical Microbiology I and lab</td>
<td>4</td>
</tr>
<tr>
<td>MED T 494, Special Topics in Clinical Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MED T 496 and 497, Clinical Microbiology II and lab</td>
<td>3</td>
</tr>
<tr>
<td>MED T 498, Applied Clinical Microbiology</td>
<td>3</td>
</tr>
</tbody>
</table>

MLT to BSMT Progression
Graduates of a NAACLS-accredited MLT-AD program with documentation of a passing score on a national certification exam and who have met other admissions requirements for the Department of Medical Technology program should contact the department office for information concerning degree completion. Other MLT graduates who do not meet the above criteria should contact the department chairperson.

Other Requirements
Students are required to provide their own transportation to the clinical sites. Students are required to purchase professional liability insurance in the amount of not less than $100,000/$300,000. Students must provide evidence of a completed physical examination, including a tuberculin skin test, rubella, rubeola titer, and hepatitis immunization prior to their clinical assignments in the affiliate laboratories.

Lower-Division Courses
M T 160, Introduction to the Clinical Laboratory Sciences (2) | 1R. 2L. A study of clinical laboratory disciplines, including hematology, immunohematology, chemistry, microbiology, cytology, and histology, through an examination of laboratory testing in each discipline considering the role of the clinical laboratory in the health care system. Suitable for majors to explore career selection and non-majors who come in contact with clinical laboratories either as a health professional or as a consumer.

Upper-Division Courses
M T 281, Cooperative Education (1-3) | Provides a field placement that integrates theory with a planned and supervised professional experience designed to complement and enhance the student’s academic program. Individualized programs must be formulated in consultation with and approved by appropriate faculty sponsors and the cooperative education coordinators. Repeatable for credit. Prerequisites: basic requirements for admission include successful completion of the freshman year and satisfactory academic standing prior to the first job assignment.

M T 310, Clinical Laboratory Services (1) | An overview of the services and information provided by the clinical laboratory. Emphasizes basic procedures and interpretation of data. Prerequisite: limited to Physician Assistant students in professional program.

M T 400, Clinical Laboratory Management/Education (3) | A study of the principles and methodologies of laboratory management and supervision and teaching techniques applicable to the clinical laboratory sciences. Prerequisite: program consent.

M T 405, Medical Immunology (3) | An introduction to the study of immunological concepts as they apply to the study, prevention, and causation of the disease process. Prerequisite: BIOL 223.

M T 406, Foundations of Laboratory Practices (2) | An introduction to clinical laboratory skills and instrumentation. Includes laboratory safety specimen collection and processing, medical terminology, and use and care of the microscope. Prerequisite: program consent.

M T 411, Special Topics (1-6) | Supervised intensive study of special topics and problems related to health professions. Repeatable to a maximum of 6 hours. Prerequisite: program director’s consent.
MED T 411A. Special Topics in Clinical Chemistry (1). Review of current quality control procedures, biological variables, interactions, and factors affecting test results. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411B. Special Topics in Hematology (1). Reviews RBC, WBC, platelet morphology, and cell differentiation, along with a summary of the laboratory features associated with various anemias and leukemias. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411C. Special Topics in Immunohematology (1). Generalist training in immunohematology. Through lecture, discussion, and demonstration, technologist explores transfusion products and diagnostic services in a modern blood bank. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411D. Special Topics in Microbiology I (1). Reviews gram stain and media reactions, the new classification of organisms, rapid identification methods, and issues of antimicrobial resistance. Gram positive cocci, gram negative cocci, gram positive bacilli, enterobacteriaceae, non-fermenters, anerobes, mycobacteria, and miscellaneous organisms. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411E. Special Topics in Microbiology II (1). Reviews virology, mycology, parasitology, and morphological characteristics used in the identification of organisms. Focuses on laboratory methods and test interpretation used in the clinical laboratory. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411F. Special Topics in Urinalysis/Hemostasis (1). Urinalysis segment reviews current quality assurance requirements, urine sediment, and correlation of physical, chemical, microscopic tests with clinical significance. In hemostasis, reviews coagulation abnormalities using a case study approach. Emphasizes the laboratory tests used in diagnosing various coagulopathies. Prerequisite: BSMT or equivalent and MT/CLS certification.

MED T 411G. Special Topics in Forensic Investigation (2). An exploration of concepts and principles of forensic science related to investigation of injury and death. Specialized topics in forensic pathology and clinical practice such as medicolegal evidence, violence injury and enviro-mental pathology are included.

MED T 411H. Special Topics in Consumer Understanding of Laboratory Values (1).

MED T 430. Bioterrorism: Facts and Fiction (3). The course is designed to provide a background for the discussion of the natural and human causes of the determinants/trends that influence the agents of bioterrorism including those of emerging and re-emerging diseases. Popular literature, both fiction and non-fiction; TV and printed news items; and websites will serve as sources of information. Topics will be generated by current events and/or issues generated by the guest lecturers.

MED T 450. Clinical Chemistry I (4). A study of the principles, concepts, and techniques of basic clinical laboratory instrumentation including absorption, spectrophotometric, ultraviolet, emission, fluorometric and nephelometric techniques utilized in the clinical chemistry laboratory for the analysis of serum, plasma, and other body fluids.

MED T 451. Clinical Chemistry I Laboratory (1). Application of the theory of the procedures and techniques used for colorimetric, spectrophotometric, and ultraviolet analysis of serum plasma and other body fluids for clinically significant substances.

MED T 452. Analysis of Body Fluids (3). 2R; 3L. Includes the study of renal physiology, routine urinalysis, and renal function tests. Also encompasses the principles and techniques involved in the analysis of cerebrospinal fluid, feces, gastric fluid, synovial fluid, amniotic fluid, ascitic fluid, duodenal fluid, salivary fluids, and seminal fluid.


MED T 457. Clinical Chemistry II Laboratory (1). A laboratory course encompassing the application of the principles of technique appropriate to the evaluation of methodology, acid-base balance, advanced enzyme quantification, endocrinology, and toxicology. Prerequisite: MED T 456, concurrent enrollment, or program approval.

MED T 459. Applied Clinical Chemistry (3). Application of clinical chemistry procedures and techniques in the analysis of body fluids in a clinical laboratory setting. Prerequisites: MED T 450, 456 and program consent. Offered Cr/NCr only.

MED T 460. Hematology I (3). Emphasizes the theory underlying basic procedures performed in the hematology laboratory and the relationship between these procedures and the diagnosis of disease. Prerequisites: BIOL 223 and program consent.

MED T 461. Hematology I Laboratory (1). 3L. Emphasizes performance of the basic procedures used in the hematology laboratory, including complete blood counts, normal and abnormal differentials, and miscellaneous hematology tests. Prerequisites: MED T 460 or concurrent enrollment and/or program consent.

MED T 466. Hematology II (3). Emphasizes the clinical significance of laboratory data and its correlation with pathologic conditions. Includes in-depth discussions of anemias and leukemias. Prerequisites: MED T 460, 461, and program consent.

MED T 467. Hematology II Laboratory (1). 3L. Emphasizes special testing procedures used in the hematology laboratory for diagnosis of anemias and various white cell disorders such as leukemia. Prerequisites: MED T 466 or concurrent enrollment and program consent.

MED T 469. Applied Hematology (3). Application of the theory and technical skills of hematology in a clinical laboratory. Prerequisites: MED T 467, and program consent. Offered Cr/NCr only.

MED T 470. Immunohematology I (3). An introduction to blood banking theory pertinent to assurance of quality transfusion practices in a donor service, including selection, collection, processing, and component therapy, and to a transfusion service, including application of immunology and genetics to blood group systems, compatibility, testing, and clinical correlations related to transfusion reactions and to the prediction, diagnosis, and prevention of hemolytic disease of the newborn. Prerequisite: MED T 405 or equivalent or instructor’s consent.

MED T 471. Immunohematology I Laboratory (1). 3L. Laboratory course in techniques relevant to performance of a blood banking technologist in a donor or transfusion service. Methodology includes blood typing, antibody screening, single antibody identification, compatibility testing, pretransfusion testing, neonatal testing, Rh immune globulin, and quality assurance of immunohematology laboratory procedures. Prerequisite: MED T 405 or equivalent and MED T 470 or concurrent enrollment or instructor’s consent.

MED T 476. Immunohematology II (2). A problem-solving, theoretical course in blood banking, covering HLA, disputed paternity, forensic testing, antibody identification techniques, and resolution of serological incompatibilities encountered in blood types, compatibility testing, hemolytic disease of the newborn workups, Rh immune globulin tests, and hemolytic anemia workups. Prerequisite: MED T 470 or instructor’s consent.

MED T 477. Immunohematology II Laboratory (1). 3L. A laboratory course in techniques relevant to resolution of medical-legal cases, antibody identification, and problems encountered in blood typing, compatibility testing, hemolytic disease of the newborn, Rh immune globulin, and hemolytic anemia. Prerequisite: MED T 476 or concurrent enrollment or instructor’s consent.

MED T 479. Applied Immunohematology (3). Application of the theory and technical skill of immunohematology in a clinical laboratory with experiences in prenatal testing, antibody identification, direct antiglobulin evaluation, preparation of safe blood or blood components for transfusion, and resolution of discrepancies encountered in performing any of the procedures. Offered Cr/NCr only. Prerequisites: MED T 467, 477, and program consent.

MED T 480. Clinical Immunology/Serology I (1). 1R. Prerequisite: MED T 405 Q and admission into the Medical Technology program.

MED T 489. Applied Clinical Techniques (2). Application of theory and techniques of clinical immunology, serol-
ogy, body fluids, and specimen collection in the clinical laboratory. Offered Cr/NCr only. Prerequisites: MED T 406, 452, 480, 485, and program consent.

MED T 490. Clinical Microbiology I (3). Basic theory covering (a) procedures for specimen processing in the clinical laboratory; (b) normal flora; (c) morphological, cultural, and serologic characteristics of common pathogenic bacteria; and (d) basic theory in antimicrobial susceptibility testing techniques. Prerequisite: BIOL 330. Co-requisite: MED T 491.

MED T 491. Clinical Microbiology I Laboratory (1). Basic procedures for the setup and examination of clinical specimens. Isolation and identification procedures for the more common pathogenic organisms. Use and interpretation of common antimicrobial susceptibility testing procedures. Runs concurrently with MED T 490. Prerequisites: BIOL 330, previous or concurrent enrollment in MED T 490, and program consent.

MED T 493. Molecular Diagnostics in the Clinical Laboratory (1). 1R. An introduction to molecular diagnostics in the clinical laboratory including a basic concepts of molecular diagnostics, current types of diagnostic applications in the areas of infectious disease, hemato logical malignancies, solid tumors, genetic disease, and forensic pathology and identity testing.

MED T 494. Special Topics in Clinical Microbiology (3). 2R; 3L. The study of the medically important fungi and parasites emphasizing their identification in the clinical laboratory. Discusses life cycles and their relation to the infection/disease process and the epidemiology of these organisms. Prerequisites: BIOL 330 and program consent.

MED T 496. Clinical Microbiology II (3). Advanced theory, procedures, and rationale for the isolation and identification of the non-fermenters, the anaerobic, and unusual aerobes organisms. Discusses disease processes and identification of the acid-fast bacteria. Introduces advanced antimicrobial susceptibility testing techniques. Prerequisites: MED T 490, 491, 497, or concurrent enrollment.

MED T 497. Clinical Microbiology II Laboratory (1). 4L. Advanced laboratory techniques in the isolation and identification of non-fermenters, the anaerobic, and unusual aerobes organisms. Techniques for cultures and identification of acid-fast bacteria. Advanced antimicrobial susceptibility testing techniques. Prerequisites: MED T 490 and 491. Co-requisite: MED T 496.

MED T 498. Applied Clinical Microbiology (3). Application of theoretical and practical aspects of clinical microbiology in a commercial laboratory and operating hospital laboratory. Offered Cr/NCr only. Prerequisites: MED T 496 and 497.

Course for Graduate Students Only

MED T 800. Seminar in Laboratory Sciences (1-3). Discusses recent issues and advances in the field of clinical laboratory science, including the areas of microbiology, chemistry, hematology, immunology, and immunohematology. Students are responsible for assigned topics, using current journal articles as a resource material. Prerequisite: departmental consent.

Physical Therapy (PT)
Because physical therapy is an entry point into the health care system for many individuals, the physical therapy program at Wichita State University develops practitioners who can meet this responsibility and provide leadership inside and outside the profession. The Master of Physical Therapy degree allows the student to achieve a foundation in liberal arts and sciences as well as gain an education in the profession of physical therapy. Graduates have the skills and knowledge base necessary to assist them in influencing the quality of physical therapy care, the profession of physical therapy, and health care in the local community and beyond.

Master of Physical Therapy
The program prepares individuals to enter beginning practice as a physical therapist. The graduates are prepared to examine, and evaluate clients/patients for neuromuscular, musculoskeletal, sensorimotor, and related functions to determine the degree of muscle strength, motor development, motion, respiratory ventilation, or peripheral circulatory efficiency of individuals. The physical therapist plans and implements appropriate interventions for their clients. Graduates are prepared to work in preventive health care as well as rehabilitative care. The program requires full-time study for a period of 26 consecutive months. Students enter the program in the summer semester only.

Admission Requirements
Admission to the program requires that the student:
1. Have a bachelor’s degree from an accredited four-year institution acceptable to the Graduate School.
2. Have a cumulative grade point average of 3.00 in the last 60 hours of graded course work, in prerequisite courses, and in all math and science courses.
3. Show evidence of completing the following:
   - Biology—one semester of introductory biology with a laboratory
   - Anatomy and Physiology—minimum of 5 semester hours with laboratory
   - College Chemistry—two semesters with laboratory
   - College Physics—two semesters with laboratory
   - English Composition—two semesters
   - Exercise Physiology—one semester
   - Speech—one semester
   - Mathematics—college trigonometry or equivalent
   - Statistics—one semester
   - Social Sciences—psychology; one introductory and one advanced course
   - Computer proficiency
   - Medical Terminology—one semester hour
4. Show evidence of 20 hours of observation or work in one or more physical therapy settings and of computer literacy.

To be reviewed for admission, applicants should do the following:
1. Seek an application packet from the Department of Physical Therapy and the Graduate School.
2. Submit the designated Application for Admission and supporting transcripts to the Graduate School.
3. Submit the designated Physical Therapy Application, along with two references by the published deadlines.

Complete applications are reviewed when received by the department in a timely manner. Applicants are notified of their admission status by the Graduate School.

Once an applicant has been admitted, he or she is asked to submit a $100 nonrefundable tuition deposit to reserve a space for the summer admission. Once the student enrolls, this money is counted toward payment of tuition.

Students are advised to contact the department for any changes in the program course requirements or prerequisite requirements. Information is also available on the department’s Web site: www.wichita.edu/pt

Degree Requirements
The student must maintain a 3.00 grade point average and a C or better in each of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 1</td>
<td></td>
</tr>
<tr>
<td>PT 715, Professional Issues and Ethics.......</td>
<td>3</td>
</tr>
<tr>
<td>PT 705, Clinical Medicine I (general medical conditions).........</td>
<td>3</td>
</tr>
<tr>
<td>PT 707, Introduction to Patient Management Skills...............</td>
<td>2</td>
</tr>
<tr>
<td>PT 709, Foundations of Therapeutic Exercise........</td>
<td>3</td>
</tr>
<tr>
<td>Electives, not required...............................</td>
<td>1</td>
</tr>
<tr>
<td>Fall I</td>
<td>10-11</td>
</tr>
<tr>
<td>PT 701, Research Methods and Statistics.........</td>
<td>2</td>
</tr>
<tr>
<td>HS 700, Gross Human Anatomy........................</td>
<td>6</td>
</tr>
<tr>
<td>PT 711, Clinical Biomechanics.......................</td>
<td>3</td>
</tr>
<tr>
<td>PT 726, Clinical Medicine II (orthopedic conditions)..............</td>
<td>2</td>
</tr>
<tr>
<td>PT 735, Physical Agents in Physical Therapy........</td>
<td>4</td>
</tr>
<tr>
<td>Electives, not required...............................</td>
<td>1</td>
</tr>
<tr>
<td>Spring I</td>
<td>17-18</td>
</tr>
<tr>
<td>PT 841, Directed Research I.......................</td>
<td>2</td>
</tr>
<tr>
<td>HS 720, Neuroscience................................</td>
<td>3</td>
</tr>
<tr>
<td>PT 710, Foundations for Evaluation and Treatment of Musculoskeletal Conditions.......</td>
<td>3</td>
</tr>
<tr>
<td>PT 745, Clinical Medicine III (neurological/cardiovascular conditions)............</td>
<td>2</td>
</tr>
</tbody>
</table>
PT 730, Therapeutic Exercise.................................2
PT 747, Assessment and Intervention in Acute Conditions..........................4
Electives, not required..........................................................1

**Summer II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 800, Clinical Education I (two 3-week clinical rotations)</td>
<td>6</td>
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</tbody>
</table>

**Fall II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| PT 842, Directed Research II........................................2  
| PT 816, Administration I (health care delivery system/general management principles) | 2       |
| PT 809, Orthopedic Assessment and Intervention I..........................3  
| PT 832, Neurological Assessment and Intervention..........................3  
| PT 865, Lifespan Assessment, Intervention, and Prevention..............2  
| PT 824, Educational Methods in Physical Therapy..........................1  
| Electives, not required..................................................................1       |

**Spring II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| PT 843, Directed Research III........................................2  
| PT 818, Administration II................................................2  
| PT 811, Orthopedic Assessment and Intervention II........................3  
| PT 802, Cardiopulmonary Assessment and Intervention......................2  
| PT 850, Clinical Education II.............................................6  
| Electives, not required..................................................................1       |

**Summer III**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
</table>
| PT 860, Clinical Education III (one 6-week rotation)......................6  
| PT 870, Clinical Education IV (one 6-week rotation)......................6  
| Total hours                                                            | 89-98   |

**Special Requirements**

Students are required to purchase uniforms and other clinical apparel, professional liability insurance, health insurance coverage and specified immunizations as well as submit evidence of an annual physical examination while in the program. Students must also be certified in cardiopulmonary resuscitation (CPR) prior to entering the clinical rotations.

Students are expected to provide their own transportation to and from the health care facilities used for clinical experiences. During clinical assignments outside Wichita, students may be required to pay all living and travel expenses.

Students are referred to the Department of Physical Therapy Student Handbook for more details on special departmental policies and procedures.

**Lower-Division Course**

**PT 281. Co-op Education (1-3)**. A field placement which integrates course work with a professional experience designed to complement and enhance the student academic program. Programs must be formulated in consultation with and approved by faculty sponsors and cooperative education coordinators. Students follow one of two patterns: parallel, enrolling concurrently in a minimum of 6 hours of course work, or alternating, working full time one semester in a field study and returning to full school enrollment the following semester; such students need not be concurrently enrolled in other courses. Prerequisite: successful completion of freshman year and satisfactory academic standing prior to the first job assignment. May be repeated for credit.

**Upper-Division Course**

**PT481. Co-op Education (1-3)**. See PT 281.

**Courses for Graduate Students Only**

**PT 701. Research Methods and Statistics (2)**. Discussion and application of statistics, critiquing scientific literature, and the development of a research proposal and major literature review. Prerequisite: departmental consent.

**PT705. Clinical Medicine I (2)**. Presents the causes, diagnoses, effects, treatment, and prognoses for general medical conditions seen by physical therapists. Coordinated by the department faculty and organized around the medical model. Prerequisite: departmental consent.

**PT707. Introduction to Patient Management Skills (2)**. Introduces the student to basic patient care and medical terminology. Through clinical observation sessions, students become familiar with various types of physical therapy settings. Prerequisite: departmental consent.

**PT 709. Foundations of Therapeutic Exercise (3)**. Introduces the scientific principles of therapeutic exercise foundations and techniques for physical therapists. Follows the standards of physical therapist practice. Laboratory sessions include skill development for safe, effective use of basic therapeutic exercise equipment. Prerequisite: departmental consent.

**PT710. Foundations for Evaluation and Treatment of Musculoskeletal Conditions (3)**. Introduces the basic scientific foundation and clinical rationales used during evaluation and treatment of musculoskeletal conditions. In-depth studies of the art of palpating surface anatomy, performance of manual muscle testing (MMT), and goniometric measurements. Emphasizes review of clinical and scientific literature pertaining to evaluation and treatment of musculoskeletal conditions. Prerequisite: departmental consent.

**PT 711. Clinical Biomechanics (3)**. Presents a kinesiologic foundation of all joints so students have the ability to differentiate causes of musculoskeletal problems. Prerequisite: departmental consent.

**PT 715. Professional Issues and Ethics (3)**. Introduces the profession of physical therapy. Addresses the profession, settings for delivery of services, professional ethics, regulation of the profession, levels of personnel, and other issues directly related to the practice of the profession. Introduces specific issues and challenges the profession is addressing as the larger system for health ad medical services changes. Prerequisite: departmental consent.

**PT 726. Clinical Medicine II (2)**. Presents the causes, diagnoses, effects, treatment, and prognoses for orthopedic conditions seen by physical therapists. Coordinated by department faculty and organized around the medical model. Prerequisite: departmental consent.

**PT730. Neurological Approaches to Patient Care (2)**. Gives basic skills for assisting movement in patients with neurological impairments. Prerequisite: departmental consent.

**PT735. Physical Agents in Physical Therapy (4)**. Presents utilization of physical modalities related to sound, light, electricity, water, paraffin, traction, and massage to achieve physiological and mechanical results. Incorporates evaluation and treatment methods for the above modalities along with analysis of relevant scientific literature. Prerequisite: departmental consent.

**PT745. Clinical Medicine III (2)**. Presents the causes, diagnoses, effects, treatment, and prognoses for neurological, pulmonary, and cardiac conditions seen by physical therapists. Coordinated by department faculty and organized around the medical model. Prerequisite: departmental consent.

**PT747. Assessment and Intervention in Acute Conditions (4)**. Addresses the management of acute physical conditions, including industrial medicine intervention, lower extremity amputation management, and upper extremity orthotic devices. Also includes the management of intensive care patients in the hospital and at home. Prerequisite: departmental consent.

**PT 790. Selected Topics in Physical Therapy (1-4)**. Intensive study of current issues, technology, research, and application of selected topic. Repeatable up to 6 credits. Prerequisite: departmental consent.

**PT799. Experimental Courses (1-4)**. One-time course offerings. Prerequisite: departmental consent.

**PT 800. Clinical Education I (6)**. Introduction to physical therapy care in varied settings requiring communication and interpersonal relations skills; application of basic physical therapy procedures; beginning professional socialization; beginning development of a generalist in physical therapy. Prerequisite: departmental consent.

**PT802. Cardiopulmonary Assessment and Intervention (2)**. Continuation of PT 745. Adds concepts and material to allow students to assess and treat patients with cardiopulmonary conditions. Prerequisite: departmental consent.
PT809. Orthopedic Assessment and Intervention I (3). Introduces the basic scientific foundation and clinical rationale used during evaluation, assessment, and treatment of musculoskeletal conditions. Builds on first year PT courses. In-depth study of different injuries and lesions, specific evaluation techniques, and treatments of those injuries and pathologies. Deals mainly with the upper quarter and includes the entire upper extremity, cervical, and thoracic spine. Emphasizes organizing and synthesizing information from PT curriculum to allow integration and problem-solving skills to enable students to become competent practicing physical therapists. Prerequisite: departmental consent.

PT 811. Orthopedic Assessment and Intervention II (3). Continuation of PT 809. Deals mainly with the lower quarter and includes the entire lower extremity, lumbar spine, sacroiliac joint, and pelvis. Emphasizes organizing and synthesizing information from PT curriculum to allow integration and problem-solving skills to enable students to become competent practicing physical therapists. Prerequisite: departmental consent.

PT 816. Physical Therapy Administration I (2). Studies management systems including assessment, planning, organization, staffing, leadership and motivation, control, and evaluation methods. Includes environmental assessment and strategic planning, organizational design, human resource management, fiscal considerations, and leadership and management styles. Prerequisite: departmental consent.

PT818. Physical Therapy Administration II (2). Studies payment systems, legal aspects of physical therapy, risk management, assurance of quality physical therapy care. Includes peer review, audit, documentation, legal and ethical aspects, fiscal consideration, and community resources. Prerequisite: departmental consent.

PT 824. Educational Methods in Physical Therapy I. Discusses teaching and learning theories as they apply to physical therapy education of patients, students, health professionals, and the community. Includes methods of developing and evaluating content, instructional strategies, and learning outcomes. Prerequisite: departmental consent.

PT 832. Neurological Assessment and Intervention (3). Continuation of PT 745. Adds concepts and material to allow students to assess and treat patients with neurological conditions. Prerequisite: departmental consent.

PT 836. Physical Therapy in Pediatrics (2). Provides supplemental skills for the entry-level physical therapist in the area of pediatrics. Didactic work and clinical exposure is incorporated in the class. Offered as an elective in the physical therapy program. Prerequisite: PT 730.

PT 837. Special Populations (3). Expands upon basic evaluation and treatment skills of geriatrics, women’s health, and industrial medicine regarding physical therapy practice. Also includes psychosocial elements, medical complications, health promotion, and prevention information as it pertains to the three special populations listed. Prerequisite: PT 735.

PT 840. Directed Study (1-3). Individual study with a focus developed in collaboration with a departmental faculty member. Allows students to pursue an area of special interest. Prerequisite: departmental consent.

PT 841. Directed Research I (2). First in series of three courses following PT 701 in which students work with an assigned advisor to plan either a research project or a research paper. Prerequisite: PT 701.

PT 842. Directed Research II (2). Second in series of three courses following PT 701 in which students work with an assigned advisor to collect data and complete statistical analyses (as appropriate) for either a research project or a research paper. Prerequisites: PT 701, 841.

PT 843. Directed Research III (2). Third in series of three courses following PT 701. Students complete either a research project or a research paper. Prerequisites: PT 701, 841, 842.

PT 850. Clinical Education I* (6). First in a series of three six-week courses offering continued development of clinical management of patients in varied clinical settings. Includes managerial aspects of care, teaching, and some opportunities for clinical research. Prerequisite: program consent.

PT 860. Clinical Education III* (6). Continuation of PT 850. Prerequisite: program consent.

PT 865. Life Span Assessment, Intervention, and Prevention (2). Incorporates specific areas of physical therapy as they are applied to individuals throughout their lifetime. Includes: embryology; normal growth and development; healthy lifestyles for children, teens, and adults; obstetrics; and gerontology. Emphasizes prevention. Prerequisite: departmental consent.

PT 870. Clinical Education IV* (6). Continuation of PT 860. Prerequisite: program consent.

PT 890. Thesis (1-6). Repeatable to a maximum of 6 hours. Prerequisites: enrollment in graduate studies and consent of thesis advisor.

*In the series of three clinical courses, students experience four different settings including general and rehabilitation practices and a selected area of specialization not limited to pediatrics, geriatrics, and orthopedics. The order of the settings is flexible. There is an increase in the level of expectation of performance with each clinical course which is guided by the evaluation process.

Physician Assistant (PA)

Physician assistants (PAs) are professional members of the health care team who, working with physicians, provide diagnostic and therapeutic patient care in virtually all medical specialties and settings. PAs take medical histories, perform physical examinations, and order laboratory tests. After diagnosing a problem, the PA develops and implements a treatment plan. When appropriate, the PA confers with the supervising physician and other health professionals.

Students successfully completing the 24-month physician assistant professional program who meet all University and college requirements receive the Bachelor of Science—Physician Assistant degree. Graduates of the program are eligible to take the examination given by the National Commission on Certification of Physician Assistants. Passage of this examination is required by most states (including Kansas) for physician assistant practice. The WSU Physician Assistant Program is fully accredited by the Accreditation Review Commission on Education for the Physician Assistant.

Preprofessional Curriculum

The physician assistant program maintains the philosophy that persons with varied backgrounds can be successful physician assistant students. Prior health care experience is not required, but is preferred. Interested parties should contact the physician assistant program for detailed application information, including time frame for applying, references, and selection criteria. Admission to the program is highly competitive. Requirements must be complied with in complete and accurate detail. The physician assistant program curriculum builds on a foundation of liberal arts and sciences.

Course work taken longer than 10 years ago will be subject to program review. Students may be required to repeat certain prerequisite courses.

1. Applicants with any academic degree should consult a member of the program’s faculty to determine if the preprofessional requirements for admission to the program and for the Bachelor of Science degree have been met.

2. For any person holding a bachelor's degree the following are required:
   a. BIOL 210 (4 hours), BIOL 220 (4 hours), BIOL 223 (5 hours)
   b. CHEM 111 (5 hours), CHEM 112 (5 hours)
   c. MATH 111, College Algebra or equivalent (3 hours)

3. All others complete the following:
   a. The GEC requirements
   b. BIOL 210 (5 hours), BIOL 220 (4 hours), BIOL 223 (5 hours)
   c. CHEM 111 (5 hours), CHEM 112 (5 hours)

Additional academic requirements:
1. An overall college grade point average of 3.000/4.000
2. A grade point average of 3.000/4.000 for prerequisite course work
3. A grade of C or better in all courses
Professional Curriculum
The physician assistant program curriculum consists of both classroom and clinical courses. Courses are taught by physicians, physician assistants, and other health care professionals in locations throughout the state.

Once admitted, students must take the following courses to meet the physician assistant professional requirements. Professional courses are available only to students in the program.

Professional Curriculum (all courses are required)

**Junior Year—Fall**
- Course: PA388, Clinical Anatomy I ........................................ 3
- PA390, Clinical Physiology ........................................ 3
- PA380, Medical History and Physical Examination .................... 4
- PA302, Patient Counseling ........................................ 2
- PA315, PA Professional Issues ...................................... 1
- PA320, Assessment and Management of the EENT Systems ......... 3
- PA325, Preventive Medicine and Community Health ................ 2
- HS 710, Applied Clinical Pharmacology ................................ 3
- MED T 310, Clinical Laboratory Services ................................ 1

Total: 22

**Spring**
- PA389, Clinical Anatomy II ........................................ 2
- HS 711, Pharmacologic Management of Acute and Chronic Diseases 3
- PA316, Assessment and Management of the Integument .............. 1
- PA317, Assessment and Management of the Endocrine System ........ 1
- PA323, Assessment and Management of the Cardiopulmonary Systems 4
- PA330, Assessment and Management of Gastrointestinal System .... 3
- PA333, Assessment and Management of Obstetrics and Gynecology 3
- PA335, Assessment and Management of the Renal and Genito-Urinary Systems 3
- PA336, Applied Clinical Practice ...................................... 2

Total: 22

**Summer**
- PA337, Assessment and Management of the Neuro-Musculo-Skeletal Systems 3
- PA375, Clinical Skills I ........................................ 3
- PA430, Clinical Conference I ....................................... 1

Total: 7

**Fall**
- PA410, Clinical Rotation I ........................................ 3
- PA412, Clinical Rotation II .......................................... 3
- PA414, Clinical Rotation III ........................................ 3
- PA418, Clinical Rotation IV ........................................ 3

Total: 12

Graduation Requirements
Students who meet the course requirements specified in the physician assistant curriculum receive a Bachelor of Science degree with a physician assistant major.

Other Requirements
Students must purchase laboratory jackets, identification patches, and name tags, and are required to provide their own transportation to the clinical site. Students must provide evidence of a complete physical examination including a tuberculin skin test, MMR immunization, Hepatitis B or titer, and health insurance prior to enrollment.

**Lower-Division Course**
- PA 281 Cooperative Education Field Study (1-8). A field placement which integrates course work with a planned and supervised professional experience designed to complement and enhance the student's academic program. Individualized programs must be formulated in consultation with and approved by appropriate faculty sponsors and cooperative education coordinators. Students may follow one of two scheduling patterns: parallel, enrolling concurrently in a minimum of 6 hours of course work in addition to their Co-op assignment, or alternating working full time one semester in a field study and returning to full school enrollment the following semester; such students need not be concurrently enrolled in any other course. Prerequisites: completion of the freshman year and satisfactory academic standing prior to the first job assignment. May be repeated for credit.

**Upper-Division Courses**
- PA 300 Medical History and Physical Examination (4). SR: 2L. Provides the theoretical and practical knowledge that can be utilized to obtain an appropriate medical history and/or conduct a proper physical examination (complete/pertinent). Also focuses on the identification of normal and abnormal physical findings. Practice of methods and techniques learned take place in a faculty-practitioner laboratory setting. Prerequisite: admission to PA professional program.
PA 302. Patient Counseling (2). Considers the theories and techniques of patient counseling; emphasizes effective communication, basic counseling techniques, and basic strategies for therapeutic intervention. Deals with the philosophies of counseling for a wide range of cognitive and behavioral problems common to the primary care setting. Prerequisite: admission to PA professional program.

PA 315. PA Professional Issues (1). Introduces the junior PA students to a wide variety of issues, such as legal, ethical, and professional issues regarding PA practice. Prerequisite: admission to PA professional program.

PA 316. Assessment and Management of the Integument (1). Deals with the skin as a major organ. Includes wound healing, burn management, tissue reactivity, cutaneous manifestations of systemic disease, specific diagnostic techniques with regard to assessment of dermatologic disorders and introduction to dermatologic disorders through case presentations. Prerequisite: admission to PA professional program.

PA 317. Assessment and Management of the Endocrine System (1). Deals with the endocrine system. Includes diseases of the pituitary gland and hypothalamus; diseases of the thyroid, parathyroid, and adren glands; diabetes mellitus diagnostic procedures; special diets; endocrine emergencies and the treatment of endocrine diseases. Prerequisite: admission to PA professional program.

PA 320. Assessment and Management of Ophthalmic and Otorhinolaryngological Problems (3). Deals with the pathophysiolog of the eye, ear, nose, and throat. Emphasizes etiology, diagnosis, and treatment of ophthalmic and otorhinolaryngological (ENT) problems. Includes tumors of the ear, nose, throat, and eye; audiometry and ophthalmic manifestations of systemic diseases. Prerequisite: admission to PA professional program.

PA 323. Assessment and Management of the Cardiopulmonary Systems (4). Deals with the cardiopulmonary systems. Includes the assessment and management of acute and chronic cardiopulmonary diseases, peripheral vascular disease, and emergencies. Appropriate evaluation of roentgenology studies, EKGs, laboratory studies; includes pulmonary functions and blood gases as applicable to the primary care setting. Prerequisite: admission to PA professional program.

PA 325. Preventive Medicine and Community Health (2). Addresses topics in preventive medicine and community health including risk factors for the major causes of death and disability, behavioral techniques used in making health behavior change, health-risk appraisal instruments, health screening, and disease and accident prevention. Introduces community agencies with roles in disease prevention, health education, and health promotion. Prerequisite: admission to PA professional program.


Team-taught by experts inside and outside the College of Health Professions. An in-depth study of emerging health care issues in a rapidly changing health care environment. Addresses current and critical health care issues facing the community locally, nationally, and abroad. Presents historical coverage of medical issues of the 20th century as a means of understanding contemporary issues.

PA 328. Introduction to Alternative and Complementary Medicine (3). Provides a fundamental and basic knowledge of medical therapies that are alternatives to or complementary of traditional western medicine. Covers naturopathy, traditional Chinese medicine, homeopathy, botanical medicine, massage therapy, chiropractic, etc. Examines research evidence for effectiveness and how these therapeutic approaches may blend with and complement the more traditional clinical approach. Combines didactic presentations with a mix of demonstrations by alternative health care providers, visits by patients, case studies, and small group presentations.

PA 330. Assessment and Management of the Gastro-Intestinal System (3). A theory, laboratory, and clinical course; deals with the gastro-intestinal (GI) system. Includes assessment of diseases of organs in the GI tract, special problems of the newborn, relationships of the autonomic nervous system to GI symptomatology, roentgenology of the GI tract, GI manifestations of psychic disturbances, and demonstration of special diagnostic instruments. Prerequisite: admission to PA professional program.

PA 333. Assessment and Management of Obstetrics and Gynecology (3). Deals with obstetrics and gynecology. Includes the menstrual cycle, pregnancy, gynecologic diseases, techniques of normal delivery, obstetrical emergencies, family planning, and infertility. Prerequisite: admission to PA professional program.

PA 335. Assessment and Management of the Renal and Genito-Urinary Systems (3). Deals with the kidneys, ureters, bladder, and prostate. Includes electrolyte and fluid balances, hypertension, tumors of the genito-urinary (GU) system, infectious diseases, trauma, calculi, and special diagnostic procedures. Examines common venereal diseases emphasizing management, treatment, and epidemiology. Prerequisite: admission to PA professional program.

PA 336. Applied Clinical Practice (2). Further prepares students for the senior clinical learning experience and practice beyond. Emphasizes patient management, clinical problem-solving, and critical-thinking skills in both inpatient and outpatient settings. Includes small group discussion, computer-assisted instruction, problem-oriented patient cases, patient interaction, and individual patient presentations. Prerequisite: admission to PA professional program.

PA 337. Assessment and Management of the Neuro-Musculo-Skeletal Systems (3). Emphasizes the recognition, evaluation and management of neuro-musculo-skeletal diseases and injuries in primary care, emergency, and inpatient settings. Prerequisite: admission to PA professional program.

PA 375. Clinical Skills I (3). 1R; 4L. Graded S/U. A combined theory, laboratory, and clinical experience; students apply their knowledge to the care of patients. Includes the physical examination emphasizing applied anatomy and physiology basic to understanding the examination with examples of normalities and abnormalities; medical terminology, evaluation of patients; patient rapport and professional conduct. Employs lecture, simulation, and clinical application. Prerequisite: admission to PA professional program.

PA 388. Clinical Anatomy (3). Fall semester. Further the understanding of the health professional in a comprehensive and/or specific area of human anatomy. Emphasizes human anatomy of the back, upper extremity, lower extremity, head, and neck. Prerequisites: BIOL 223 or equivalent and enrollment in the PA professional program or instructor’s consent.

PA 389. Clinical Anatomy (2). Spring semester. A continuation of PA 388 emphasizing human anatomy of the thorax, gastrointestinal, and genitourinary systems. Prerequisites: PA 388 and enrollment in the PA professional program, or instructor’s consent.

PA 390. Clinical Physiology (3). Further the understanding of the health professional in a comprehensive and/or specific area of human physiology and the clinical application of this knowledge in patient management. Departments select the number of credit hours needed for their program and offer them under this course number with a designated subsection. Prerequisites: instructor’s consent and enrollment in one of the professional programs.

PA 410. Clinical Rotation I (3). A six-week clinical experience; students participate in the care of patients in a variety of medical settings and specialties. Emphasizes orientation to medical practice-setting and obtaining and recording a complete and/or problem-oriented medical history. Students obtain and record complete and/or problem-oriented physical examination data, become familiar with common diagnostic procedures and are involved in the selection of therapeutic regimens. Students are, at the discretion of the preceptor, included in all aspects of health care services offered at the site. Graded S/U. Prerequisites: admission to PA professional program and faculty approval.

PA 412. Clinical Rotation II (3). See PA 410. Emphasizes obtaining and recording complete and/or problem-oriented physical examination data. Graded S/U.


PA 418. Clinical Rotation IV (3). See PA 410. Emphasizes the selection of appropriate therapeutic regimens and their indications, availability, reliability, and limitations. Graded S/U.

PA 419. Clinical Rotation V (3). See PA 410. Emphasizes the art of medicine and gaining the confidence of the patient and family. Graded S/U.

PA 425. Clinical Rotation VII (3). See PA 410. Emphasizes integrating the skills and knowledge obtained in previous rotations, as well as health promotion, disease prevention, and patient education. Graded S/U.

PA 430. Clinical Conference I (1). 1R; 2L. Major focus on synthesis of didactic and clinical education and training as it applies to advanced cardiac life support. Graded S/U. Prerequisite: student in PA professional program.

PA 432. Clinical Conference II (3). 1R; 3L. Spring semester only; for clinical physician assistant students. Focuses on issues affecting the graduate physician assistant, which include legislative issues, professional associations and responsibilities, practice limitations, and malpractice issues. Includes review sessions for the National Board Examination utilizing lecture, demonstration, and computer-assisted instruction. Prerequisites: admission to PA professional program.

PA 440. Clinical Preceptorship (6). Eight-week course; culmination of the student's clinical training. Students are placed with a primary-care physician to enable them to function as members of the health-care team in a setting similar to that which would be encountered by the graduate physician assistant. Graded S/U.

PA 481. Cooperative Education Field Study (1-8). See PA 291.

Course for Graduate/Undergraduate Credit

PA 525. Special Topics (1-4). Lecture/discussion; focuses on a discrete area content relevant to the health disciplines. In-depth study of a particular topic or concept, including didactic and current research findings and technological advances relevant to the topic. Open to non-majors; requires department consent.

Basic Emergency Medical Care Training (EMT)

A certificate in basic emergency medical care training is offered. The certificate is obtained with successful completion of EMT 110 and 112. EMT graduates are prepared for state certification exams while in the program. Students who would like to enroll in this course must fulfill all requirements for admission to Wichita State.

EMT 110. EMT Basic (3). EMT-Basic (EMT 110) is intended for individuals interested in providing care to patients in the pre-hospital setting. EMT 110 must be taken concurrently with EMT-Basic Skills (EMT 112) to prepare the student for application to challenge the state certification exam. The course will provide the participant with opportunities to achieve the cognitive and affective objectives of the US Department of Transportation EMT-B National Standard Curriculum.

A. Recognize the nature and seriousness of the patient's condition or extent of injuries to assess requirements for emergency medical care;
B. File a standardized "Patient Report" form of occurrences for use of the receiving hospital as well as a permanent record for local use;
C. Transmit necessary information from the ambulance to the receiving hospital and dispatcher in an orderly manner using mobile radio equipment;
D. Demonstrate the attitudes, values, and cognition necessary to effectively and compassionately function as an EMT-Basic.

EMT 112. EMT Basic Skills (7). EMT-Basic Skills (EMT 112) provides the instruction, practice, and evaluation necessary to prepare participants for skills practice as an EMT-Basic. The course will provide opportunity for the participant to accomplish the psychomotor and affective objectives of the curriculum in accordance with the Department of Transportation EMT-Basic National Standard Curriculum 1994 as adopted and amended by the Kansas Board of EMS. Participant success assumes concurrent mastery of the cognitive objectives (see EMT 110, EMT-Basic course) as well as significant practice to ensure acquisition of the course objectives below.

A. Administer appropriate emergency medical care based on assessment findings of the patient's condition;
B. Lift, move, position and otherwise handle the patient to minimize discomfort and prevent further injury;
C. Perform safely and effectively the expectations of the job description;
D. Demonstrate the attitudes, values, and cognition necessary to effectively and compassionately function as an EMT-Basic.

Mobile Intensive Care Technicians (MICT)

Mobile Intensive Care Technicians (MICT) or paramedics is offered at Wichita State University in Ahlberg Hall. The basic program consists of 52 credit hours in 18 months. Completion of MICT prerequisites and the MICT program qualify the student for the Associate of Applied Science, Mobile Intensive Care Technician. Successful completion of this program does not guarantee certification but does allow one to challenge the certification examination given by the State of Kansas. In addition, students who have completed the MICT training and taken the required general education courses to receive the AAS degree may apply to the bachelor’s degree program in health sciences.

Upper-Division Courses

MICT 205. Introduction to Advanced Pre-Hospital Care (4). An overview of the role of pre-hospital personnel, medical ethics, medical legal issues, EMS systems, communication procedures, medical terminology, patient assessment, history taking, body systems review, and fluid and electrolytes. Prerequisites: instructor and department approval.

MICT 207. Electrophysiology (3). Presents the techniques of assessment and management of the cardiac patient and associated disease processes common with the cardiac patient. Covers recognition of cardiac rhythms and management of different cardiac arrhythmias from the standpoint of emergency care. Prerequisites: instructor and department approval.

MICT 210. Pre-Hospital Pharmacotherapeutics (3). Presents the information needed for administering the medications used in pre-hospital situations, the methods of administration, conversion of various measures and information on drug regulating agencies. Prerequisites: instructor and department approval.

MICT 215. Adult and Pediatric Medical Emergencies (8). Presents the pathophysiology and management of disorders of the respiratory system, endocrine system, central nervous system, and gastrointestinal system. Includes information on communicable diseases, exposure emergencies, geriatric emergencies, pediatric emergencies, obstetric emergencies, and psychiatric emergencies. Prerequisites: instructor and department approval.

MICT 217. Traumatology (7). Discusses the kinematics of injury and management of the adult and pediatric trauma patient, including airway and fluid management, pre-hospital treatment of various injury states including blunt and penetrating trauma, burns, and triage. Prerequisites: instructor and department approval.
ochomotor and affective objectives of the curriculum in accordance with the Department of Transportation EMT-Basic National Standard Curriculum 1994 as adopted and amended by the Kansas Board of EMS. Participant success assumes concurrent mastery of the

MICT 322. Clinical Correlation (1). Review and discussion of experiences gained during the clinical/field internship and the application of this information to the pre-hospital setting. Prerequisites: instructor and department approval.

MICT 324. Field Internship (11). Pre-hospital training with local emergency medical services which are supervised by certified MICTs. Prerequisites: instructor and department approval.

Public Health Sciences (PHS)
Bachelor of Science in Health Services Management and Community Development

The Department of Public Health Sciences develops leadership capacity for a healthy society through both its undergraduate and graduate degree programs. At the undergraduate level, the department offers the Bachelor of Science degree in Health Services Management and Community Development as described below. This curriculum establishes a 45 credit hour professional degree program to prepare graduates for entry-level positions in the management: planning and assessment of health services delivery across the spectrum of health care, such as acute care medicine, public and community health, and long term care.

The department also offers the Master of Public Health (MPH) degree which is fully accredited by the Council on Education for Public Health. For more information on the MPH, see the Graduate School catalog.

Program Mission
Evaluating future health care leaders in the fundamental administrative, analytic, behavioral, and social competencies necessary to:

1) Effectively manage everyday’s complex and dynamic health care organizations, and

2) Engage in community development initiatives essential to enhancing the health and well being of human populations.

The Bachelor of Science in Health Services Management and Community Development prepares its graduates for entry-level positions in the management, planning, and assessment of health service delivery in both the public and private sectors. This 45 credit hour professional degree program is appropriate for individuals interested in applying the social and business sciences to a career in the health care sector. Students enrolled in this curriculum must complete a 21 credit hour core that provides the knowledge and skills sets that are basic to health services delivery and population health assessment.

Program majors complete 21 credit hours, beyond the core, in one of the program's two focused areas of emphasis, either Health Services Management or Community Development.

In addition to the program core and a selected emphasis area, all program majors must take a 3 credit hour capstone seminar at or near the end of their program of study.

Health Services Management Focus
The Health Services Management Focus provides students with the analytic, administrative, and leadership skills necessary for entry level managerial positions in acute care medicine (medical group practices, health insurance corporations, medical product companies, hospital and ambulatory care clinics, and EMS systems management), long term care (nursing homes, home health care agencies, continuing care facilities, and hospice), and public and community health (state health agencies, local health departments, and community-based health and wellness agencies).

In addition to didactic course work, students electing the Health Services Management Focus must complete a 3 credit hour practicum placement (educational work experience) in a local health care organization.

Students who select this emphasis area will graduate with a major in Community Development: Health Services Management. Students who are interested in the Community Development emphasis area are strongly encouraged to:

a) communication skills, b) ethnocultural factors in society, and c) the public sector. A list of general education courses suggested, as being especially compatible with this focus is available through program advisors.

Students who are interested in the Community Development focus are encouraged to work with faculty advisors to determine the most appropriate social science minor for their career path; examples of appropriate minors include, but are not limited to, psychology, sociology, anthropology, communication, political science, etc.

Undergraduate Minor
A minor in Health Services Management and Community Development is available to any student outside the program major. The minor consists of the 21 credit hour program core. It does not include selections from either of the program foci areas.

Admission Requirements
All students with a declared interest in Health Services Management and Community Development are encouraged to seek pre-professional advising through the College of Health Professional's Advising and Student Services office.

In order to be admitted to the Health Services Management and Community Development Program, students must fulfill the following requirements:

1. Completion of at least 42 semester credit hours of college-level course work with a cumulative GPA of 2.25 or higher.

2. Have completed English 101 and 102, Communication 111 and Math 111, each with a grade of C or better.

3. Complete the designated application process to the program and be formally admitted. The application packet is available through the Department of Public Health Sciences and the College of Health Professions Advising and Student Services Office. To be considered for admission to the program, an applicant must ensure receipt of the following:

a. Official transcripts from all institutions of higher learning attended by the applicant.

b. A properly completed Application for Admission to the Health Services Management and Community Development program, including a personal statement.

c. WSU Application (if transfer student).

4. Have completed program prerequisites of one course in basic statistics, one course in oral communications beyond Communication 111, and one course in basic computer applications, with a grade of C or better. Students who have not completed one course in each of these three areas may be considered for admission with deficiencies.

Students admitted with deficiencies must complete outstanding prerequisite courses within the first semester of admission to the program. The defi-
ciency designation will be removed upon successful completion of the stipulated course work. Failure to complete deficiencies within the prescribed time frame will constitute grounds for dismissal from the program. Students admitted with a deficiency will not be allowed to take focus specific course work until the program prerequisites have been satisfied.

Courses recommended to fulfill the basic statistics prerequisite - select one:
Econ 231/232 - Introductory Business Statistics and concurrent software applications lab - highly recommended for students considering Health Services Management focus
Stat 370 - Elementary Statistics

Courses recommended to fulfill the oral communication prerequisite - select one:
Comm 302 - Interpersonal Communication
Comm 311 - Persuasion
Comm 313 - Argumentation and Advocacy
Comm 328 - Teamwork, Leadership and Group Communication

Courses recommended to fulfill the basic computer applications prerequisite
Accounting 260 - Introduction to Information Processing Systems for Business or the cross-listed equivalency
CS 105 - Introduction to Computers and their Applications

Progression
Program majors must complete PHS 320, "Overview of Health Services Delivery" and at least six additional credit hours of core course work before taking any course in either of the two program focus areas. Students must have senior standing to take either PHS 460 "Health Services Management Practicum" or PHS 461 "Community Development Special Project". PHS 470, "Capstone Seminar" must be elected as close as possible to the student's final semester of study.

Students in the Health Services Management and Community Development program are required to maintain a cumulative grade point average of 2.25, with no individual course grade, in the major, lower than a C. Students failing to meet this requirement will have one semester to correct their GPA deficiency. Failure to do so will result in dismissal from the program.

General
Students do not need to declare a focused area of interest prior to beginning the program. However, a student must declare a focus area prior to electing focused course work.

Upon declaration of their focus, either Health Services Management or Community Development, a student will be assigned a faculty advisor with primary expertise in the area of interest. A student may not elect focus specific course work without input from their faculty advisor. Course work from one focus area will not transfer to the other focus area.

Students must complete all course work in their selected focus to be awarded the degree.

For students in the Health Services Management focus, who are also pursuing the recommended minor in Business Administration, B LAW 431 may be counted as fulfilling the law requirement in both the program major and the business minor. Please note, although B LAW 431 may count toward both the major and the minor, it still counts as only 3 credit hours toward the 124 credit hours required to graduate. Non-majors without instructor permission may not elect 400 level program courses.

Professional Curriculum

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>PHS 320, Overview of Health Services Delivery</td>
<td>3</td>
</tr>
<tr>
<td>PHS 325, Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PHS 333, Organizational Behavior and Leadership in Health Service Organizations</td>
<td>3</td>
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<tr>
<td>PHS 342, Financing Health Care Services</td>
<td>3</td>
</tr>
<tr>
<td>PHS 344, The Role of Culture in Health and Health Care</td>
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<tr>
<td>PHS 352, Strategic Management in Health Service Organizations</td>
<td>3</td>
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<td>PHS 354, Health Politics</td>
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<tr>
<th>Required Capstone</th>
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<tbody>
<tr>
<td>PHS 470, Capstone Seminar in Health Services Management and Community Development</td>
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<tr>
<th>Required Courses in Health Services Management Focus</th>
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<tbody>
<tr>
<td>PHS 428, Health Care Organization</td>
</tr>
<tr>
<td>BLaw431, Legal Environment of Business</td>
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<tr>
<td>PHS 448, Concepts of Quality</td>
</tr>
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<td>PHS 458, Long-Term Care Systems</td>
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<td>PHS 460, Health Services Management Practicum</td>
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<tr>
<td>PHS 468, Quantitative Methods in Health Care</td>
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<td>PHS 478, Health Economics</td>
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<th>Required Courses in the Community Development Focus</th>
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<tr>
<td>PHS 403, Sole to Soul: Health Promotion in Action</td>
</tr>
<tr>
<td>PHS 423, Program Planning and Development in Health Services Organizations</td>
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<tr>
<td>PHS 443, Social Marketing</td>
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<tr>
<td>PHS 461, Healthy Options for Communities: A Community-Based Practicum in Neighborhood Development</td>
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<tr>
<td>PHS 643, Geographic Information Systems in Community Epidemiology</td>
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<td>PHS 663, Community Action Research</td>
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<tr>
<th>Required Selective in Community Development Focus</th>
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<tr>
<td>PHS 448, Concepts of Quality</td>
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<td>or</td>
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<td>PHS 478, Health Economics</td>
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Total Hours Required for Major:
21 hrs required core + 21 hrs required for selected focus + 3 hr capstone seminar = 45

Graduate Credit for Seniors (Senior Rule)
Seniors who are in the undergraduate program, and who intend to pursue either the graduate certificate in Public Health or the Master of Public Health degree, may take course work for graduate credit under the Senior Rule if they: 1) have an overall grade point average of 3.00 or above in their major field and in upper-division courses and 2) are within 10 hours of completing the Bachelor of Science degree in Health Services Management and Community Development. Polices and procedures for exercising this option may be found in the General Information section of this catalog.

Administrator-in-Training (AIT) Practicum Placement Program
The AIT is designed to place qualified applicants in a 9 credit hour, 480 clock hour practicum placement with a qualified nursing home administrator, as part of the preparation necessary for becoming a licensed nursing home administrator in the state of Kansas.

The AIT practicum placement program is available to individuals with a bachelor's degree, who have had course work in gerontology or long-term care, management concepts, and finance or accounting. The required courses are available through the Department of Public Health Sciences, for those interested applicants who have not taken such course work prior to considering a career as a nursing home administrator. The Health Services Management Focus, in the Bachelor of Science degree in Health Services Management and Community Development, provides program majors with the course work required for AIT placement. Interested program majors may pursue the AIT requirements while completing their degree program. Additional information on the AIT is available through the Department of Public Health Sciences.

Upper Division Courses

PHS 308. Leadership in Self and Society (3). General Education Issues and Perspectives course. Examine factors influencing the effectiveness of individuals leading change, including values, conflict and power. Studies the human side of organizational change focusing on understanding how and why people react to change, and identifying opportunities for enhancing the effective implementation of change. Students reflect on their own leadership development and work in teams to recommend PH strategies for change in a project, community setting, or organization.
PHS 310. Understanding the U.S. Health Care System (3).
General education issues and perspectives course. The U.S. health care system has been described as a non-system. The social systems of any country are shaped by the prevailing social values of the country. The three major components of the U.S. health care system - public health, acute care, and continuing care - have evolved separately due to prevailing social values and the related political decisions unique to this country. Course provides an overview of the social, economical and political and their roles in shaping the form, function and finance of each of the three major sectors, emphasizing the problems inherent in such a fragmented system.

PHS 320. Overview of Health Services Delivery (3).
For those who plan a career in the health care field, it is important that they have an understanding of the environment in which they will work. This course is designed to provide the student with an understanding of the context in which health care is delivered, how resources are allocated to, and within the system and how health care organizations function within the system.

PHS 325. Introduction to Epidemiology (3).
This course introduces the students to the science and methodology of disease and risk surveillance in public health. It prevents the foundations and structure used to solve medical and environmental health problems in the community with a primary focus on the health status of individual populations and special populations as they relate to health promotion and disease prevention.

PHS 333. Organizational Behavior and Leadership in Health Organizations (3).
This course is designed to familiarize students with the classic themes and perspectives from the field of organizational behavior. The course emphasizes the application of this material to leadership in health care through lecture, group and individual examination of the literature, analysis of case studies, and personal assessment.

PHS 342. Financing Health Care Services (3).
Examines the principles of financial analysis and management used in health care institutions, which are most useful to non-financial personnel. Emphasizes understanding and application of general financial concepts to health setting; considers financial organization, sources of operating revenues, budgeting and cost allocation methods. Uses examples for various types of health service organizations.

PHS 344. The Role of Culture in Health and Health Care (3).
This course uses a case study approach to examine the importance of culture in the way people define, react to, and treat illness, injury and health risks. Cultural beliefs and expectations influence the things we do to stay healthy, the way we feel about our bodies, the way we experience pain, the way we behave when we are sick, the actions we take to get help, and the providers from whom we seek care. Health-related customs may vary by such attributes as age, ethnicity, education, religion, income, dwelling place, and family traditions. When major cultural differences exist between patients and service providers, they can result in a host of adverse outcomes. PHS 344 reviews such cultural clashes and a variety of strategies for eliminating the negative consequences as they apply to the consumer.

PHS 352. Strategic Management on Health Services Organizations (3).
To be an effective strategic manager in the health care arena, it is important to understand the scientific process of strategic planning and its role in decision-making. In this course, the five-stage scientific method of planning, Formulation, Conceptualization, Detailing, Implementation and Evaluation are critically examined by considering the various methodologies associated with each stage.

PHS 354. Health Politics (3).
Examines how government policies affecting public health and medicine are created within legislatures, regulatory agencies, and courts through the actions of individuals and groups with vested interests. Uses critical case analysis and political profiling to deconstruct selected policy examples. Students learn skills and strategies for influencing policy development and implementation.

PHS 358. Long Term Care Systems (3).
The U.S. health care system has been designed to provide the student with an understanding of the processes, and financing of each of the three major sectors, the providers from whom we seek care. In this course, the five-stage scientific method of planning, Formulation, Conceptualization, Detailing, Implementation and Evaluation are critically examined by considering the various methodologies associated with each stage.

PHS 403. Sole to Soul: Health Promotion in Action (3).
This is a course designed to provide contemporary information regarding public and personal health challenges. These challenges include issues of violence, new threats from emerging infectious diseases, insights into chronic disease, and concerns over global health and the degradation of the environment. With these challenges comes the opportunity to assist students to become future ‘change’ agents for health – in both personal health behaviors, and the larger realm of policy changes that can assist the global population as well.

A key feature of this course is the Impact Health Activity, an activity that provides students the opportunity to actively engage in personal and community health programs and projects to promote positive individual and community health improvements. This course emphasizes understanding the role interpersonal communication, cultural values and psychosocial, socioeconomic, and political factors have in promoting or hindering optimal health for individuals, communities and the environment.

PHS 423. Program Planning/Development in Health Services Organizations (3).
Program Planning & Development introduces students to planning, development and evaluation of health programs through the use of lecture, group projects and individual presentations. Students will familiarize themselves with a variety of approaches available in the field of program planning. The course will emphasize the application of this material to the development of the program plan.

PHS 428. Health Care Organization (3).
Covers issues of management, organization, and operations of health care organizations, stressing the unique character of health care delivery organizations. Emphasizes types of health organizations, leadership and managerial roles, organizational structure and dynamics, interactions with environments, and evaluation and planning.

PHS 443. Social Marketing (3).
This course is an introduction to the field of social marketing as it is used to improve the health of the public. Students will examine the concept of social marketing and learn how to apply social marketing principles and techniques to health behavior change and improvement of public health practice. The course will include essential aspects of the social marketing process: the use of a consumer orientation to develop and market intervention techniques, audience analysis and segmentation strategies, the use of formative research in program design and pre-testing of intervention materials, channel analysis for devising distribution systems and promotional campaigns, the employment of the "marketing mix" concept in the intervention planning and implementation, and evaluation techniques for social marketing campaigns. Students will also be introduced to the limitations, challenges and successes of social marketing.

PHS 448. Concepts of Quality (3).
This course addresses the issues of quality assurance in health care institutions and not-for-profit organizations. An overview of the history and current status of quality programs is presented. The role of quality in organizational strategic management is also covered. Students will study the role of quality from theory to application in a broad base of organizational settings.

PHS 458. Long Term Care Systems (3).
The class analyzes long term care in the U.S., addresses system and organizational aspects that
affect organizational outcomes and quality of long-term care services, and considers long-term care policy and management issues. It explicitly applies a trajectory model of chronic illness, conceptualizing formal long-term care services as one series of responses to chronic illnesses and disability.

PHS 460. Health Services Management Practicum(3).
Provides an opportunity for an administrative field experience in the health care system. The student is introduced to the role requirements and responsibilities of a practicing health manager. Students may select, with the consent of the practicum coordinator, an internship in an appropriate health service organization. Practicum requires participation in a broad fieldwork component and completion project component and a written report of the experience.

PHS 461. Healthy Options for Communities: A Community-Based Practicum in Neighborhood Development(3).
This course provides an intensive, structured and supervised community-based group practicum during which students will learn to apply community development theories and tools previously introduced in the HSMCD curriculum, while bringing real value to the local 'client' agency or group. The Community Outreach and Service Learning Center located in WSU’s Southside Center will serve as the home base of the project’s activity. The focus of the project will change with each offering, but will, in general, focus on one of the following: helping a community group identify its needs and assets; developing a plan and mobilizing community resources to respond to an identified problem; creating and launching an awareness campaign; collecting and analyzing data to document a specific community problem; facilitating a strategic planning process; establishing performance-based record keeping; or introducing culturally appropriate service alternatives. Each student will have the opportunity to sharpen his/her practice skills in a supportive yet challenging professional environment.

PHS 468. Quantitative Methods in Health Care (3).
This course covers quantitative methods of analysis in health care. It includes concerns for employing such methods but focuses more on the interpretation of methods used by others. The course will include an introduction to certain statistical methods.

PHS 470. Capstone Seminar in Health Services Management and Community Development (3).
This seminar is designed to provide students at or near the end of their program of study, with the opportunity to apply information, from across the curriculum, to a series of multi-faceted issues and problem solving situations germane to professional practice in health services management and community development. Students from both program foci will assess and evaluate issues and concerns, which draw on the common core curriculum and on common ethical decision making situations. Students, whose course of study has emphasized health services management, will additionally evaluate issues and concerns, which integrate the program core with the knowledge and skills specific to a career in health services management. Students, whose course of study has emphasized community development, will additionally evaluate issues and concerns, which integrate the program core with the knowledge and skills specific to a career in health-related community development.

PHS 478. Health Economics(3).
Being multidisciplinary in nature, the health care system may legitimately be described, explained, and evaluated by any one of a number of disciplines. Economics is a science that deals with the consequences of resource scarcity and is further specified as descriptive, explanatory, and evaluative economics. In this course, the problems of the health care system are examined through the lens of this economics perspective by exploring the application of economic theories, principles and concepts to the U.S. medical care system.

Courses for Graduate/Undergraduate

PHS 643. Geographic Information Systems in Community Epidemiology (3).
This skills-based course introduces a group of software tools used in health care, public health and many other professions to analyze and model spatial data. The powerful epidemiological tools provide mechanisms to track and map health and disease indicators, to explore clusters of risk factors and their relationships, and to better manage health care and social service resources. Properly applied, they illuminate community needs and promote efficient and effective program responses. Those who need to synthesize multiple information streams in their decision-making increasingly value GIS’s outstanding integrative abilities. Furthermore, the resulting visual displays, with their ability to improve communications between researchers, administrators, government officials, and the public, are increasingly found in policy debates and educational forum.

PHS 660. Admin-in-Training (AIT) Long-Term Care Practicum(3).
Needs for health services will increase dramatically in the future because of the rising increase in the elderly population. A board range of services, including long-term care, is required to address the health care needs of the older population. The Administrator-in-Training (AIT) Practicum is an academic long-term care administrator-training program. The purpose of the AIT is the development of a professional competency and personal code of ethics for the field of long-term care administration. The course prepares students for the state nursing home administrator licensure examination. The 480 clock hour practicum is completed in a licensed long-term care facility, under the guidance of an approved preceptor.

PHS 663. Community Action Research(3).
This course is one of a series of community epidemiology courses that focus on community assessment and development. Community action research is an applied, interdisciplinary field in which hands-on learning occurs while inviting participation of the target population to be studied. Although there are a number of types of action research, each includes three basic requirements: 1) the subject matter of the project are social practices that are potentially malleable (able to be improved); 2) the project spirals through cycles of planning, acting (initiating an intervention), observing (collecting and analyzing data) and reflecting; and, 3) the project maintains collaborative activity between the researchers, those who engage in the social practice(s) of interest and those who are affected by it. The class will participate in face-to-face interviews of community residents as part of the initial planning process to identify social activities that our subjects define as being in need of improvement.

Courses for Graduate Students Only

PHS 804. Principles of Statistics in the Health Services (3).
This course is intended as an introductory in statistics for graduate students in the social and health sciences with little or no background in statistics. Its purpose is to provide first year (or equivalent) MPH students with a basic understanding of certain statistical techniques, the appropriate application of these techniques, and use of the software package, SPSS.

PHS 808. Principles of Epidemiology (3).
An introductory graduate level course concerning epidemiological principles and how these form the scientific basis for public health.

PHS 812. Health Care Policy and Administration (3).
An in-depth look at policy and management issues in the health system from a public health perspective. Topics include health policy, trends in the health care system, and administrative issues. Topics are critiqued with regard to public health goals, the interests of consumers and providers, and ethics.

PHS 814. Social and Behavioral Aspects of Public Health (3).
Examines the characteristics, beliefs and behaviors of individuals and groups involved in the process of health care. Draws on concepts and principles of the social, behavioral, and clinical sciences, especially dynamics that define the interactions of providers and consumers of health care. Explodes why people react to perceived symptoms the way they do, the reasons providers respond as they do to patients in different social attributes, the factors which predispose individ-
public health theories and methods used to conduct research on health of societal agreements and expectations.

PHS 816. Environmental Health (3).
A survey course in environmental health designed to provide an understanding of the fundamental theory and methods for the control of disease. Includes environmental law, disease systems, water supplies, plumbing, waste water treatment, food sanitation, vector control, recreation sanitation, solid waste disposal, housing sanitation, and air pollution.

PHS 818. Fundamental Research Methods in Public Health (3).
Stresses mastery of basic concepts and techniques of research methodology used in the health professions. Focuses on acquisition of the generic tools of research design and their application to the real-world problems confronting those who deliver health care, those who facilitate and/or manage the delivery of care, those who conduct clinical and health services studies, and those who make policy affecting the delivery arrangements. Prerequisites: PHS 804 and 808.

PHS 821. Community Assessment & Development (3).
This community epidemiology course introduces public health theories and methods used to conduct community assessments and to apply the results to positive social change. We first examine the meaning of the key terms “community”, “community-building” and “community development” within historical and contemporary perspectives. We learn the importance of starting with such questions as “whose community?”, “whose health?”, “whose assessment?” and “for whose benefit?” We review strategies for community mapping, issue selection, community organizing, and coalition building. We then study several approaches for identifying community needs, including the organizing, and coalition building. We then study several approaches for identifying community needs, including the use of secondary data sources, interview methods, focus groups and surveys. Finally, we apply our work to the design (or revision) of a study of the assets and needs of a local target community in regard to a health-related issue.

PHS 824. Cultural Competency in Health Care (3).
This course uses a community epidemiology approach to examine the changing demographics in 21st century United States, and to analyze the effects of those changes on our health care system. We explore differences in the distribution of disease among various cultural groups, taking into account the social, biological and political causes behind those differences. We look at gaps between ethnic groups in service availability and access, in therapy options, and in treatment outcomes. Then, we show how culture affects lifestyle choices, attitudes toward health and illness, help-seeking behaviors, and service utilization.

PHS 826. Politics of Health Policy Making (3).
This course covers the basic principles of public policy making in health care and public health. It then offers the opportunity to students to apply that knowledge in a community-based attempt to impact a positive public health policy development. It is a skills-based course that demonstrates why things happen as they do in policy-making arenas and what can be done to ensure desired policy outcomes.

PHS 831. Essentials of Health Insurance and Managed Care (3).
Health insurance is one of the most powerful ingredients in the U.S. health care system and yet the majority of the general public misunderstands it. It is important for those that currently work, and those who are planning to work, in the health care field to understand the underlying dynamic of the insurance process. In this course the student is introduced to the concept of risk and the role of insurance in handling risk. It also examines health care expenditures as an insurable event; health insurance and managed care as a form of risk handling.

PHS 833. Health Economics (3).
An application of classical economic theories, principles and concepts to the traditional U.S. medical care. Both the traditional and unique determinants of demand and supply are considered with emphasis on the role of need for care, provider-induced demand, and health insurance. The legitimate role of government in health care is also considered.

PHS 834. Financing Health Care Services (3).
Provides an examination of the principles of financial analysis and management used in health care institutions, which are most useful to non-financial personnel. It emphasizes understanding and application of general financial concepts to health setting and includes consideration of financial organization, sources of operating revenues, budgeting and cost allocation.

PHS 835. Organization, Financing and Delivery of Health Care (3).
Students are introduced to the organization, financing and delivery modalities of the U.S. Medical Care System. The development and application of hospital reimbursement methodology (DRG-Based PPC) and physician reimbursement methodology (RBRUS) are examined. The principles of health insurance are introduced and the role of private and public (Medicare/Medicaid) health insurance in health care utilization are examined. Health status outcomes and quality of life measures are also explored.

PHS 838. Applied Data Analysis (3).
This course will teach: 1) the practical skills necessary to analyze and manage data using the SPSS software; 2) the application of statistical tools introduced in the MPH Program’s introductory courses in biostatistics; and 3) an introduction to regression analysis.

PHS 840. Practicum (1-6).
Academic studies are linked with actual practice through observation and participation in the administrative and educational processes of public, voluntary, and private health organizations, under the direction of a preceptor from the host agency.

PHS 841. Leadership and Change Agency in Public Health (3).
Explores the essential leadership competencies and characteristics necessary to effectively promote innovation and facilitate adaptation in today’s complex and rapidly evolving health care system. Combines classic theory and cutting edge concepts to ground students in the principles which underpin the current emphasis on leaders as change agents. Explores and applies strategies for effective change in the thinking and behavior of people, the design and vision of organization, and the health and well being of communities. Emphasizes the generalizability of leadership principles across the various sectors of public health.

PHS 842. Public Health Applications to the World Wide Web (2).
This course documents the creation and evolution of the Internet and World Wide Web and applications that allow these tools to be of relevance to public health and preventive medicine in the community setting. There are no official prerequisites other than an understanding bio statistics and familiarity with computer systems.

PHS 843. Health Program Planning (3).
Development and practice of planning and evaluation skills through the development of a health program in a community of interest.

PHS 845. Coalitions in Health Care (3).
This course is designed to familiarize students with the factors influencing successful collaboration in public health. The course emphasizes the application of this material to the development of community-based coalitions/alliances/committees/partnerships. Course format will include lecture, group and individual examination of the literature, analysis of case studies, and fieldwork.

PHS 848. Concepts of Quality (3).
Quality of health care is a much discussed concept that is currently receiving a great deal of attention. Unfortunately, with all of the attention from a variety of providers, third-party payers, employers and other client organizations, considerable confusion regarding the definition and measurement of quality has arisen. Not only is there a tendency to use the word “quality” as an adjective rather than a noun, each of the constituent players adopt their own definition for their own purpose. This course is designed to provide the student with the conceptual underpinnings provided by the scholarly approach to the definition and assessment of quality of health care,
which will permit the various quality assessment and improvement methodologies to be placed in context.

PHS 858. Long Term Care Systems (3).
Analyses long-term care in the U.S. as a response to chronic illness and disability, emphasizing the diversity of long-term care systems addressing the needs of persons of all ages. Addresses system and organizational concerns affecting costs, outcomes and quality. Explicidy applies a trajectory model of chronic illness and disability, conceptualizing long-term care systems in their response to chronically ill and disabled individuals. Students are encouraged to have taken PHS 812 or to take it concurrently.

PHS 875. Special Topics (3).
New or special topics presented based on sufficient demand. Prerequisite: Instructor's consent.

PHS 876. Directed Study (1-3).
Individual study of the various aspects and problems within public health. Repeatable for credit with departmental consent. Instructor must be obtained before enrollment.

PHS 885. Thesis (1-3).
Repeatable to a maximum of six hours. Prerequisite: Consent of thesis advisor.

School of Nursing (NURS)
The School of Nursing offers the Bachelor of Science in Nursing and the Master of Science in Nursing. For more information about the master’s degree, refer to the WSU Graduate Bulletin.

Bachelor of Science in Nursing
The Bachelor of Science in Nursing program is designed to prepare students for the practice of professional nursing. The graduate is prepared for beginning positions in nursing in any health care delivery system, for further study at the master and doctoral levels, and for advancement to nursing positions of increasing responsibility and leadership.

Students are admitted to the School of Nursing at the junior year after completing 58 hours of course work. Persons interested in the Bachelor of Science in Nursing may direct inquiries to: Nursing Counselor, School of Nursing, Wichita State University, Wichita, Kansas 67260-0041.

Preprofessional Curriculum
Students applying for admission to the School of Nursing must have completed the following courses. Students should consider taking 16 hours per semester or attending Summer Session.

Course .................................................. Hrs.
Basic Skills
MATH 111, 112 or 211 ................................. 3
ENGL 101, College English I .......................... 3
ENGL 102, College English II .......................... 3

COMM 111, Public Speaking ............................ 3
Humanities and Fine Arts
Fine Appreciation ....................................... 3
PHIL 100, The Meaning of Philosophy ............... 3
Course in humanities other than philosophy ............ 3

Social and Behavioral Sciences
PSY 111, General Psychology .......................... 3
PSY 334, Developmental Psychology .................. 3
SOC 111, Introduction to Sociology ....................... 3

Natural Sciences and Mathematics
BIOL 220, Introduction to Microbiology (applies as an Introductory General Education course for the BSN degree only) ................. 4
CHEM 103/111, General Chemistry ....................... 5

Other Preconditions
BIOL 223, Human Anatomy and Physiology .......... 5
NURS 265, Introduction to Nursing Practice ............ 2
HS 331, Principles of Diet and Nutrition ................ 3
HS 400, Introduction to Pathophysiology ................. 4
CS 105, Introduction to Computers and Applications of NURS 351, Nursing and Computer Technology ................. 3

Statistics with approval ..................................... 3

Admission to School of Nursing
Students should request an application form from the School of Nursing prior to enrolling in their last semester of prerequisite courses. Application forms for fall semester admission are required by February 1; for spring semester admission, by September 1. To qualify as a candidate for admission to the School of Nursing, students must:
1. Be enrolled in, or admitted to, Wichita State University;
2. Have completed, or have plans to complete, the prerequisite requirements;
3. Have an overall grade point average of at least 2.500 in all courses completed and no grade lower than a C in any of the required specified courses;
4. Submit an application including expected semester of enrollment;
5. Complete a standardized entrance test with a minimum percentage score.

Professional Curriculum
The following courses in the School of Nursing are required for the Bachelor of Science in Nursing. A total of 124 hours of University credit is required for graduation.

Course .................................................. Hrs.
Semester 1
NURS 300, Care Manager I ............................. 3
NURS 310, Primary Health Care .......................... 4
NURS 320, Health Alterations I .......................... 3
NURS 345, Health Assessment ............................. 4
HS 301, Clinical Pharmacology ........................... 3

NURS 325, Research in Nursing ........................ 2
NURS 360, Secondary Care (8 weeks) .................... 4
NURS 370, Health Alterations II ........................ 5
NURS 380, Maternal-Newborn Nursing (8 weeks) .... 4

Semester 2
NURS 402, Care Manager II ............................. 2
NURS 410, Tertiary Care ................................. 5
NURS 420, Mental Health Nursing (8 weeks) .......... 4
NURS 430, Nursing of Children (8 weeks) .............. 4

Semester 3
NURS 450, Care Manager III (11 weeks) ............... 3
NURS 470, Critical Care (11 weeks) ..................... 6
NURS 499, Clinical Capstone (5 weeks) ................ 4

Electives
Upper-division philosophy/ethics ........................ 3
Issues and Perspectives General Education course .......... 3

LPN to BSN Progression Plan
The LPN to BSN plan offers advanced placement to licensed practical nurses seeking a Bachelor of Science in Nursing degree. Up to 10 hours of credit via examination can be applied to the degree. LPNs seeking admission must meet undergraduate admission requirements, be a graduate of a state-approved LPN education program, have an active LPN license in Kansas, and have the equivalent of 1,000 hours of clinical practice as an LPN within the last year. Students seeking admission to this program should contact the School of Nursing.

RN to BSN Progression Plan
The RN to BSN plan offers advanced placement to registered nurses seeking a Bachelor of Science in Nursing degree. Twenty-five hours of retroactive credit or credit by exam in nursing courses can be applied to the degree. The RN to BSN curriculum follows the Kansas Nursing Articulation Plan.
Registered nurses must:
1. Submit verification of current license to practice as a registered nurse in Kansas
2. Submit official transcripts of college courses and records verifying completion of a nursing program.

Registered nurse students who have met admission requirements may obtain information from the School of Nursing regarding enrollment in the transition course, NURS 334, RN Bridge Course, and Advanced Placement by which they may validate 25 nursing credits at the upper-division level.

Course .................................................. Hrs.
Prerequisite and General Elective Courses
Basic Skills
MATH 111, 112 or 211 ................................. 3
ENGL 101, College English I ............................ 3
ENGL 102, College English II ............................ 3
COMM 111, Public Speaking ............................. 3
Humanities and Fine Arts
Fine Arts Appreciation ................................ 3
PHIL100, The Meaning of Philosophy .......... 3
Course in humanities other than philosophy ... 3
Social and Behavioral Sciences
PSY 111, General Psychology ........................ 3
PSY334, Developmental Psychology .......... 3
SOC 111, Introduction to Sociology .......... 3
Natural Sciences and Mathematics
BIOL220, Introduction to Microbiology (applies as an Introductory General Education course for the BSN degree only) ........ 4
CHEM 103/111, General Chemistry .......... 5

Electives* ........................................................................ 6

Total ........................................................................ 60

Upper-Division Requirements
Philosophy/Ethics ............................................................... 3
Enrollment in humanities other than philosophy ........ 3
Total ........................................................................ 6

* Three hours of general or upper-division electives must be an issue and Perspectives course to meet General Education requirements.

Professional Curriculum
HS 301, Clinical Pharmacology .......................... 3
NURS 325, Research * (fall only) ................. 2
NURS 334, RN Bridge Course* .................. 4
NURS 345, Health Assessment* (spring only) ..... 4
NURS 456, Primary Prevention* (spring only) ... 2
NURS 461, Care Manager/RN* (fall only) .... 4
NURS 495, Clinical Capstone-RN ................. 2
NURS 531, Nursing and Computer Technology .......... 3
Career enhancement electives ......................... 6
Total ................................................................. 30

* Interact course

Upper-division nursing credits awarded retroactively on the basis of associate degree in nursing or credit by exam ........ 25
Total ................................................................. 124

Other Requirements
Uniforms are required for all clinical laboratory experiences. Students are required to provide their own transportation to and from health care agencies used for these experiences. Students are required to purchase professional liability insurance in the amount of $1 million per single claim/$3 million aggregate per year. The insurance must be renewed annually. Students must provide evidence of personal health insurance and evidence of a completed physical examination prior to clinical laboratory experiences each academic year. Additional costs for instructional materials, testing, and lab experiences may be required throughout the program. CPR certification is required. Information related to these requirements is available from the School of Nursing.

Upper-Division Courses

NURS 300. Care Manager I (3). An introduction to the nursing role as it relates to legal, ethical, professional, and economic issues in the current health care system. Emphasizes interactional skills related to individual and group communication. Prerequisite: NURS 285. Co-requisites: Semester 1 classes.

NURS 302. Introduction to Nursing Practice (3). This course provides an introduction to the discipline and scope of nursing as practiced in diverse settings. Dimensions of current and emerging nursing roles as they relate to legal, ethical, professional, and issues in the current and future health care system will be examined. Interaction skills related to individual and group communication will be emphasized.

NURS 310. Primary Health Care (4). 2T; 6P. Focuses on teaching health promotion concepts and providing preventive care to the individual, family, and community. Introduces the nursing process as a problem-solving tool. Uses the technology lab and various primary care settings for clinical learning. Prerequisite: NURS 285. Co-requisites: Semester 1 classes.


NURS 325. Research in Nursing (2). Presents an overview of the research process and its relationship with theory. Emphasizes identifying clinical problems, critiquing research findings, and applying those findings to practice. Co-requisites: Semester 1 classes.

NURS 334. RN Bridge Course (4). A Web-based course. Enhances the knowledge base of the RN-BSN student in leadership and management theory and application, issues in professional nursing, therapeutic communication, and nursing theory. Prerequisite: admission to WSU School of Nursing.

NURS 335. Transitions to Professional Nursing (2). Introduces the licensed practical nurse (LPN) to the study of nursing as a practice discipline and professional nursing roles. Emphasizes the nursing process and the self-care concept of nursing and its use in professional practice, education, and scholarship. Prerequisites: current license as an LPN in Kansas and admission to the School of Nursing.

NURS 345. Health Assessment (4). 3T; 3L. Emphasizes multiple methods of data collection relevant to the health status of individuals and families across the lifespan. Focuses on holistic assessment of individuals and families from diverse populations. Prerequisite: NURS 285. Co-requisites: Semester 1 classes.

NURS 350. Workshops in Nursing (1-4). Intensive study of special topics related to nursing practice, education, or research. Open to non-majors.

NURS 360. Secondary Care (4). 18P; 4L (8 weeks). Clinical course emphasizes care for patients with acute illness and/or acute complications of chronic illness in secondary care settings. Focuses on the application of therapeutic interventions to maximize health potential in individuals from the young adult to the frail elderly. Prerequisites: Semester 1 courses. Co-requisites: Semester 2 courses.


NURS 402. Care Manager II (2). Explores leading and managing as essential components of professional nursing practice. Examines the implication of ethical, legal, and economic issues as they impact nursing practice. Prerequisites: Semester 1 courses. Co-requisites: Semester 2 courses.

NURS 404. Survival Skills for Health Care Professionals (2). Focuses on specific skills and issues related to professionals surviving and thriving in today's health care climate. Examines and identifies sources of stress, conflict, and professional dissatisfaction. Addresses conflict resolution; personal health promotion; how to cope with organizational change; ways to adapt to ethical, legal, and political issues; assertive communication; stress-reducing strategies and ways to find professional satisfaction in less than satisfactory circumstances. Emphasizes adopting and promoting life styles conducive to optimal health. Health care background recommended.

NURS 410. Tertiary Care (5). 15P. Clinical course emphasizes patient care management of young adult to frail elderly individuals with complex health problems. Focuses on therapeutic interventions used to attain, maintain, or regain health within clients' existing capabilities in a tertiary care setting. Prerequisites: Semester 2 courses. Co-requisites: Semester 3 courses.

NURS 425-427. Special Projects in Nursing (1-6). Elective. Individual study of selected topics, didactic and/or clinical designed to enhance the student's knowledge base and competencies in nursing practice. Repeatable. Prerequisites: School consent.


NURS 434. Perioperative Clinical Management: Work-study (5). 2T; 9P. Elective. Lecture/clinical course; examines the nursing needs of individuals in small groups that have various health problems requiring surgery. Focuses on the expansion of the nursing student's power to perform deliberate actions for the benefit and well-being of others in all phases of the surgical process (before, during, and after). Emphasizes the nursing student's acquisition of clinical management skills in all phases of the surgical process. Prerequisites: NURS 310, 320, 345, 360, 370, 380, or completion of 30 hours of a professional nursing program.

NURS 450. Care Manager III (3). 2.5T; 5.5P. Explores the role of the professional nurse in a population-based setting. Major component is completion of an intervention plan based on a community assessment. Integral components are public health nursing core functions and care coordination principles for clients along the continuum of care. Examines issues related to professional nursing.

NURS 456. Primary Prevention (2). A Web-based course. For RN students. Focuses on health promotion concepts to enhance wellness of individuals, families, and communities. Emphasizes public health concepts. Prerequisite: admission to School of Nursing.

NURS 461. Care Manager/RN (4). Web-based course. Explores the role of the professional nurse in the community setting. Students select an area of focus for community nursing enhancement and complete a community assessment project. Includes topics related to management and financial implications for nursing. Prerequisite: admission to School of Nursing.

NURS 470. Critical Care (6). 3T; 18P. Emphasizes the provision of care for critically ill clients across the lifespan. Focuses on complex nursing interventions and clinical decision making. Prerequisites: Semester 3 courses. Co-requisites: Semester 4 courses.

NURS 481. Cooperative Education Field Study (1-6). A field placement which integrates course work with a planned and supervised professional experience designed to complement and enhance the student's academic program. Individualized programs must be formulated in consultation with and approved by appropriate faculty sponsors and cooperative education coordinators. Students may follow one of two scheduling patterns: parallel, enrolling concurrently in a minimum of 6 hours of course work in addition to their Co-op assignment, or alternating, working full time one semester in a field study and returning to full school enrollment the following semester; such students need not be concurrently enrolled in any other course. Prerequisites: successful completion of the freshman year and satisfactory academic standing prior to the first job assignment. May be repeated for credit.

NURS 495. Clinical Capstone-RN (2). 9P. Enhances the registered nurse's skills in the community and other settings. Provides opportunity to perform therapeutic nursing interventions in student-selected settings. Prerequisites: all required RN-BSN courses.

NURS 499. Clinical Capstone (4). 36P (5 weeks). An intensive clinical experience practicing full time with a preceptor in a primary, secondary, or tertiary care setting to enhance socialization into the professional nursing role. Student focuses on a selected area of practice within the current health care environment. Prerequisites: Semester 3 courses and NURS 450 and 470.

Courses for Graduate/Undergraduate Credit

NURS 505. Directed Study in Nursing (1-4). Elective. Individual study of the various aspects and/or problems of professional nursing. Repeatable. Prerequisite: departmental consent.

NURS 506. Transcultural Nursing (3). Transcultural nursing is the provision of nursing care sensitive to the needs of individuals, families, and groups. Since health and illness are strongly influenced by an individual's cultural background, an awareness of the cultural aspects of lifestyle, health beliefs, and health practices enhance nursing assessment and care. Course examines the cultural influences on health and illness in a variety of groups, emphasizing developing more sensitive and effective nursing care. Prerequisites: admission to School of Nursing or instructor's consent.

NURS 520. Concepts of Loss (3). Elective. Strategies for helping clients and families cope with broad aspects of loss, from temporary transient illness to death. Includes human response, through the life span, to changed body image, disability and disfigurement, chronic illness, dying, and death. Includes grief and mourning. Open to non-nursing majors.

NURS 531. Nursing and Computer Technology (3). Focuses on basic terminology and use of computer software for nursing education, practice, and administration. Opportunity for hands-on experience with microcomputers. Prerequisite: admission to the nursing program or instructor's consent. Previous knowledge of computers or computer technology is not required.

NURS 543. Women and Health Care (3). Cross-listed as WOMS 543. Examines the historical development of the women's health movement, focuses on current issues relevant to women and health care, and explores the roles of women in the health care system and as consumers of health care. Examines self-care practices of women and studies ways to promote positive health practices. Open to non-nursing majors.

NURS 566. Perspectives on Self-Help Groups (3). Cross-listed as PSY 566 and SCWK 566. Provides an interactive format that constitutes a community resource for health and human service professionals and promotes an interdisciplinary understanding of the nature and diversity of self-help groups for persons with virtually any health problem or personal issue. Reviews contemporary theory and research, explaining the attractiveness and effectiveness of self-help groups. Panels of support group members share their experience with self-help groups on such topics as addiction, cancer and other illnesses, eating disorders, bereavement, mental illness, and parenting.

NURS 700. Assessment of Pediatric and Adolescent Clients (3). A theoretical and clinical laboratory experience; students focus on the assessment of pediatric and adolescent clients. Open admission to RN and graduate students.

NURS 701. Advanced Health Assessment Laboratory (1). Companion course for NURS 701. Applies history-taking and assessment skills within a laboratory setting. Emphasizes differentiation, interpretation, and documentation of normal and abnormal findings. Includes lecture, discussion and demonstration of history-taking, and an integrated physical assessment. Prerequisite: admission to graduate nursing program. May be taken concurrently with or prior to NURS 702.

NURS 702. Advanced Health Assessment Laboratory (1). A Web-based course. Designed to assist students to refine history-taking, psychosocial assessment, and physical assessment skills. Focuses on assessment of individuals throughout the life span. Emphasizes detailed health history-taking, differentiation, interpretation, and documentation of normal and abnormal findings. Includes lecture, discussion and demonstration of history-taking, and an integrated physical assessment. Prerequisite: admission to graduate nursing program. May be taken concurrently with or prior to NURS 702.

NURS 703. Scientific Inquiry I (3). Emphasizes the role of theory in scientific inquiry in nursing. Traces the evolution of nursing theory and explores projections for the future. Addresses relationships among theory, research, and practice. Examines selected models/frameworks relevant for nursing. Prerequisite: admission to graduate nursing program.

NURS 704. Health Maintenance of the School-Age Child (3). Examines and applies major theories, clinical concepts, and research studies related to school health nursing. Open to RN and graduate students.

NURS 705. Scientific Inquiry II (3). Explores the research process in relationship to concepts, frameworks/theories. Explores various methodological approaches to research. Considers current issues in nursing research. Demonstrates the research process in a
NURS 705. Organization and Management of the School–Health Program (3). Examines and applies concepts of organization and management to the school-health delivery system. Explores political, economic, and social factors which influence the school-health delivery system. Open to RN and graduate students.

NURS 706. Alternative and Complementary Health Care (3). Analyzes the theoretical and empirical basis for various alternative and complementary modalities. Includes an exploration of issues involved with the use of specific modalities within today’s health care environment. Research-based discussion focuses on how to best prepare the health care professional to provide guidance to a client and the family to best achieve a physiological, mental, emotional, and spiritual state most responsive to therapeutic interventions. Emphasizes total evaluation and support of health influences on lifestyle, environment, culture, and other cognitive, safety, and affective factors. Open to non-nursing majors.

NURS 707. School Nurse Practicum (2). An intensive clinical experience; students analyze, design, implement, and evaluate nursing systems to promote the health of individuals in the school-health delivery system and the broader community system. Open to RN and graduate students.

NURS 710. Advanced Health Assessment of the Neonate (4). A developmental and systematic approach to the advanced assessment of physiological, psychological, sociocultural, and developmental aspects of the fetus, mother in the perinatal period, and the neonate is discussed. Builds on basic assessment skills and emphasizes perinatal, genetic, and embryologic factors impacting neonatal development. Explores ways to assess the pregnant woman for problems, the use of special diagnostic tests, and the assessment of the neonate. Requires 40 laboratory/clinical hours, providing opportunities to implement various assessment and diagnostic procedures, complete health histories, perform complete physical examinations, and complete a perinatal history. Prerequisite: admission to NNP track or department consent.

NURS 715. Advanced Nursing Practice: Roles and Issues (3). Designed for students preparing for advanced practice. Discusses historical development of advanced practice role; the ethical, legal, political, and economic issues of such a role; and current trends and future directions. Focuses on issues ranging from concerns within the local practice setting to national policy issues related to advanced nursing practice. Prerequisite: admission to graduate nursing program.

NURS 718. Advanced Technologies (2). Focuses on application of clinical skills and interpretation of technologies utilized in a variety of clinical settings. Nurse practitioner students practice these skills in laboratory and/or clinical settings. Prerequisite: admission to one of the NP options and departmental consent. Enrollment is limited.

NURS 720. Human Lactation (2-3). For the graduate student preparing for practice as a lactation consultant. Provides an in-depth focus on the anatomical and physiological basis of lactation and breastfeeding. Explores factors that impact maintenance of health during lactation and clinical decisions for disease prevention. Addresses preparation for lactation consultant certification. Students work on case studies, develop a paper for publication, and take a final examination via the Internet. Open to non-nursing majors. Prerequisite: admission to graduate program.

NURS 724. Common Dermatological Conditions in Primary Care (1-3). Interactive online course guides students through an instructional program with a profile of common dermatological conditions encountered in primary care. Information is presented in brief case scenarios; student identifies the condition. Resource links are available for in-depth study of each condition. For clinical use, patient education links are provided. Cases give the didactic information needed to make clinical decisions. Prerequisite: senior rule or admission to the Graduate School or instructor’s consent.

NURS 726. Low Back Pain (3). Interactive online course guides students through an instructional program based on the low back pain guidelines from the Agency for Health Care Policy and Research. Case study format stimulates critical thinking. Linked information gives information needed to make clinical decisions. Prerequisite: senior rule or admission to the Graduate School or instructor’s consent.

NURS 730. Psychopharmacology (2). Basic brain biology, brain disorders and psychopharmacology are reviewed as a basis for assessment and administration of psychopharmacologic medications and education of clients. Prerequisite: Admission to Graduate Program.

NURS 732. Diabetes Mellitus Nursing (2-3). Exploration of clinical theories; identifies and studies appropriate nursing systems for clients with diabetes mellitus. Emphasizes attaining and maintaining optimal levels of functioning and the psychological adjustment of the client and family to a potentially devastating disease. Open to non-nursing majors.

NURS 734. Diabetes Mellitus Nursing Practicum (3). An intensive clinical experience, the student studies, designs, and implements nursing systems for individuals or groups in the area of diabetes mellitus nursing management. A weekly one hour seminar accompanies the practicum. Open to non-nursing majors.

NURS 750. Workshops in Nursing (1-4). An opportunity for intensive study of special topics related to nursing practice, education, or research. Open to non-nursing majors.

NURS 755. Clinical Teaching Strategies (3). Explores alternative teaching strategies for the clinical educator to accommodate the changing health care scene. Discusses clinical teaching methods. A clinical rotation plan with accompanying clinical evaluation tool is constructed after the student, subject, and setting are delineated. Investigates roles of the educator in teaching clinically.

NURS 775. Health Care Information Systems (3). Examines information systems as they relate to health care. Analyzes information systems in clinical management, administration, education, and research. Emphasizes issues surrounding information systems and hands-on experience with selected health care information management exercises.

NURS 777. Physiology/Pathophysiology of the Neonate (3). Uses concepts of embryology, neonatal physiology, and pathophysiology to provide an in-depth study of normal functioning and alteration of normal physiological functioning in cells, tissues, organs, and organ systems. Alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on neonates. Addresses both generalized processes and major system dysfunctions. Prerequisite: admission to NNP track or department consent.

NURS 781. Pathophysiology for Acute and Critical Care (3). Examines pathophysiological concepts relevant to acute and critical care nursing practice. Explores the scientific knowledge base for selected clinical problems in acute care. Emphasizes pathophysiological mechanisms of disease and the relevance to clinical decision making. Prerequisite: admission to graduate program.

NURS 783. Assessment in Psychiatric Mental Health Nursing (3). For the student preparing for advanced practice in psychiatric mental health nursing. Explores current diagnostic issues in psychiatric nursing practice. Emphasizes application of current biological, psychological, social, and other relevant theories and knowledge within the nursing and related fields to the assessment and planning of interventions for psychiatric clients. Prerequisite: Admission to Graduate Program.

NURS 785. Advanced Health Assessment Practicum (2). Concentrated assessment practicum focusing on application of knowledge from advanced health assessment courses. Students apply history-taking and assessment skills in a specified setting. Emphasizes differentiation, interpretation, and documentation of normal and abnormal findings. Graded S/U. Prerequisites: NURS 701, 702, and departmental consent and admission to one of the NP options.

NURS 789. Pharmacology for the Neonate (3). Discusses pharmacological agents used in the management of
neonates. Reviews pharmacologic principles and applies them to the use of drugs in the level II or III NICU. Explores the clinical use of drugs in the management of specific illnesses of the neonate. Stresses legal considerations for the Advanced Practice Nurse. Prerequisites: admission to NNP option or departmental consent.

NURS 791. Special Studies in Nursing (1-6). Students engage in extensive study of particular content and skills directly or indirectly related to nursing practice. Repeatable. Open to graduate or undergraduate students. Prerequisite: departmental consent.

NURS 793. Advanced Pathophysiology (3). Explore in-depth scientific knowledge base relevant to selected pathophysiological states confronting in primary care. This provides the basis for foundation of clinical decisions related to diagnostic tests and the initiation of therapeutic regimens. Age specific and developmental alterations are correlated with clinical diagnosis and management. Application is made through age appropriate examples. Prerequisites: admission to graduate nursing program and departmental consent.

NURS 795. Applied Drug Therapy (3). Discusses the clinical application of specific categories of drugs commonly encountered in primary care settings. Explains the use of protocols, prescription writing, and the ethical/legal and economic issues surrounding the advanced nurses' role in prescribing and monitoring pharmacologic therapies in the ambulatory setting. Discusses factors such as age appropriate content related to pharmacokinetics, dosages, expected outcomes, and side effects of the drugs. Addresses first line versus second line drugs, alternate drugs, drug interactions, adjusting drug dosages, patient education, and compliance issues related to drug therapy. Explores the nurse's role and responsibility related to data collection, problem identification, and consultation with the physician. Application is made through age appropriate case studies. Prerequisites: admission to graduate nursing program and departmental consent.

NURS 796. Nursing Practicum in Special Setting (1-6). Opportunity for directed practice in various settings including clinical specialties, nursing administration, nursing education, and consultation. Prerequisite: departmental consent.

NURS 799. Directed Readings in Nursing (1-2). Student engages in critical search of the literature in areas related to the profession and practice of nursing. Prerequisites: departmental consent.

Courses for Graduate Students Only

NURS 803. Primary Care I: Management of Common Health Problems throughout the Life Span (3). Focuses on common health problems seen in individuals and families throughout the life span. Stresses applications of current research and theory-based interventions appropriate for management by advanced registered nurse practitioners. Emphasizes strategies and protocols to manage common problems in urban and rural patients, interventions to restore individual and family levels of pre-illness health, and positive behaviors. Prerequisites: all core courses, NURS 718, 786, and admission to the FNP option. Prerequisites or co-requisites: NURS 715, 793, and 795. Co-requisite: NURS 804.

NURS 804. Primary Care I: Practicum (4). Concentrates on a case study practice in a primary care setting that addresses individuals and families throughout the life span within the context of the community. Theory and research used in clinical settings. Emphasizes health promotion, maintenance, and prevention interventions. Prerequisite: admission to the FNP option and NURS 805. Co-requisite: NURS 803.

NURS 805. Health Promotion through the Life Span (3). Focuses on the wellness of individuals and families through the life span seeking to maintain or improve health and prevent illness. Interventions reflect a preventative framework, enhanced by theory and research that provide an understanding of health and lifestyle behaviors. Prerequisites: NURS 703 and 705 (705 can be concurrent).

NURS 808. Advanced Role Practicum (3-6). Prepares the student for advanced nursing practice. An intensive practicum experience; the student works with an advanced nurse practitioner in a selected clinical setting. Emphasizes role development, case management, and analysis of strategies to improve nursing practice. Prerequisites: all core courses, NURS 795 or HS 711, pathophysiology (NURS 783, 783, or 793) and at least 6 hours of a clinical concentration.

NURS 809. Primary Care II: Management of Complex Health Problems through the Life Span (3). Focuses on complex problems seen in individuals and families through the life span. Stresses applications of current research and theory-based interventions appropriate for management by advanced registered nurse practitioners. Emphasizes strategies and protocols to manage complex patient problems in urban and rural patients, interventions to restore individual and family levels of pre-illness health, including secondary and tertiary prevention. Prerequisites: NURS 803, 804, and admission to the FNP option. Co-requisite: NURS 810.

NURS 810. Primary Care II: Practicum (4). Emphasizes assessment and management of common health problems across the life span, based upon knowledge of theory and research. Primary care clients with common conditions affecting major body systems assessed and managed. Weekly seminars focus upon analysis and evaluation of clinical situations and cases. Prerequisite: admission to the FNP option. Co-requisite: NURS 809.

NURS 811. Foundations of Nursing and Health Care Systems Administration (3). Assists the student in acquiring theoretical knowledge of organizations. Considers current issues and research in nursing and health care systems and its impact on nursing practice. Prerequisites: NURS 703 and 705. Prerequisite or co-requisite: NURS 715.

NURS 812. Nursing and Health Care Systems Administration Practicum (1-6). Practicum in a health care setting; student, under professional guidance, becomes directly involved in existing leadership, administrative, and management systems. A seminar accompanies the field experience. Types of experience may include roles in nursing education or service, mid-level nursing administration, staff development, or community health. Repeatable with instructor's consent up to a maximum of 6 hours. Prerequisite or co-requisite: NURS 811 or 827.

NURS 813. Foundations of Nursing Education (3). Assists the student explore theoretical and practical aspects to curriculum development and teaching of nursing in higher education and continuing education. Prerequisite: NURS 703 and 705. Prerequisite or co-requisite: NURS 715.

NURS 814. Nursing Education Practicum (3 or 6). Student, under professional guidance, becomes directly involved in clinical and classroom teaching, curriculum development, and participation in other faculty functions in higher education and continuing education. A seminar accompanies the field experience. Prerequisites: departmental consent and NURS 813.

NURS 815. Neonatal Nursing I (4). First of two courses that integrate the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. Uses current research and evidence-based practices as the course framework. Emphasizes the effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems and the short- and long-term consequences to the child's family. Discusses disorders of the central nervous, pulmonary, and cardiovascular systems. Demonstrates and applies the use of specific interventions and diagnostic procedures in laboratory/clinical settings during 40 hours of required clinical activities. Prerequisites: core courses, NURS 713, 777, and 779.

NURS 819. Foundations of Psychiatric Mental Health Nursing (3). Evaluates major theories, clinical concepts, and current research in psychiatric/mental health in relation to formulating a conceptual model for nursing practice. Prerequisites: NURS 701, 702, 703, and 705. Prerequisite or co-requisite: NURS 715.

NURS 821. Thesis (1-6). Graded S/U only. Student, in conjunction with the academic advisor and a three-member thesis committee, designs and conducts a formal research project. Prerequisites: admission to graduate nursing program and departmental consent.

NURS 822. Psychiatric/Mental Health Nursing Practicum I (3). Intensive clinical experience; student plans, implements, and evaluates nurse-therapist strategies with individual clients/patients. A seminar accompanies the practicum. Prerequisite or co-requisite: NURS 819.

NURS 823. Graduate Project: Alternative to Thesis (1-3). Graded S/U only. An opportunity to develop and pursue a scholarly project other than a thesis. This may take the
form of a position paper, a historical study, a philosophical paper, or other type project developed in conjunction with the student's faculty advisor. Prerequisites: admission to graduate nursing program, departmental consent, and 12 hours of graduate course work, including NURS 703 and 705. Repeatable up to 6 credit hours.

NURS 825. Independent Study (1-6). Provides opportunity for the student to develop, in collaboration with a school faculty member, objectives and protocol for independent work related to the practice of nursing. Prerequisites: admission to graduate nursing program and departmental consent.

NURS 827. Resource Management in Nursing (3). Focuses on the assessment and management of resources necessary to operate nursing and health care systems including informational systems needed to manage resources; budget process management; personnel management from recruitment through termination, including staffing and scheduling; and management of relationships with patients, physicians, and diverse departments with different philosophies and views. Prerequisites: NURS 703 and 705. Prerequisite or co-requisite: NURS 715.

NURS 829. Health Care during Growth and Development of Children and Families (1-4). Focuses on physical and psychosocial developmental changes from infancy through young adulthood. Considers factors that facilitate or interfere with healthy development. Provides an introduction to family theories including family development, family systems, and family stress. Emphasizes the role of the Advanced Practice Nurse in assisting children and families during the developmental years. Modular format allows students to select specific units: Unit One: Growth and Development: The Infant and Young Child (1 credit); Unit Two: Growth and Development: The Adolescent and Young Adult (1 credit); Unit Three: Family Issues: Part I and II (1 credit each). Prerequisites: NURS 703 and 705.

NURS 832. Pediatric and/or Women's Health Nursing: Practicum I (3). An intensive clinical experience; student focuses on the process of systematic developmental, psychosocial, and health assessment of individuals within a family system. Experiences based on the student's clinical interests. Prerequisite: all core courses. Prerequisite or co-requisite: NURS 829.

NURS 834. Adult Nursing Practicum (3). An intensive clinical experience; student designs, implements, and evaluates nursing care for adults. Selects specialized areas of study; may involve health maintenance or illness care of acutely or chronically ill adults. Prerequisites: all core courses, NURS 761 and 805, and HS 711. Prerequisite or co-requisite: NURS 839.

NURS 836. Pediatric and/or Women's Health Nursing: Practicum II (3). An intensive clinical experience; student analyzes, prioritizes, and designs therapeutic interventions in the management of common health problems affecting individuals and family systems. Experiences based on the student's clinical interests. Prerequisites: all core courses and NURS 805. Prerequisite or co-requisite: NURS 853.

NURS 839. Management of Acute and Chronic Health Problems of the Adult (3). Examines clinical concepts and issues related to major disruptions in the health status of adults. Emphasizes assessment, measurement, and interventions related to acute and chronic health problems. Prerequisites: all core courses, NURS 781 and 805, and HS 711.


NURS 847. Pediatric Primary Care I: Management of Common Health Issues (3). Focuses on comprehensive assessment, diagnosis, and management of health and common health problems seen in children and families during the infant, childhood, and adolescent years. Stressing applications of current research and theory-based interventions appropriate for management by Advanced Registered Nurse Practitioners. Emphasizes strategies and protocols to manage common problems in urban and rural patients, interventions to restore children's and family's levels of pre-illness health, and positive behaviors. Prerequisites: NURS 701, 702, 703, 705, 718, 786, 829, and admission to the PNP option. Prerequisites or co-requisites: NURS 715, 793, and 805.

NURS 848. Pediatric Primary Care I Practicum: Clinical Management of Common Health Issues (3). Concentrated clinical practicum in a primary care setting that addresses individuals and families during the infant, childhood, and adolescent age span, within the context of the community. Emphasizes history-taking; cultural, developmental, nutritional, and physical assessment; and documentation skills. Seminars focus on analysis and evaluation of clinical situations. Prerequisite: admission to the PNP option. Prerequisite or co-requisite: NURS 847.

NURS 849. Nurse Practitioner Preceptorship (3 or 6). A concentrated clinical practicum in an acute or primary health care setting that emphasizes the management of care for individuals. Students synthesize concepts and principles from previous classes and clinical experiences, applying theoretical and research content to acute, chronic, urgent, and/or common health problems. Preceptorship is in a clinical agency appropriate to the student's clinical interests. Prerequisites: departmental consent and admission to one of the NP options.

NURS 851. Clinical Management (3). Management of clinical data and analysis of professional issues including business skills necessary for advanced nursing practice. Students use existing data to determine health care outcomes and to evaluate delivery of care. Extensive computer use in laboratory setting with technical support. Prerequisites: all core courses. Prerequisite or co-requisite: enrollment in a course within the student's clinical or administration option. Computer literacy is expected.

NURS 852. Adult Case Management Practicum (3). Applies case management principles in this intensive clinical experience as the student designs, implements, and evaluates nursing care for adults. Emphasizes measuring clinical outcomes and management of resources. Prerequisites: all core courses, NURS 781, and HS 711. Prerequisite or co-requisite: NURS 805 or 839.

NURS 853. Reproductive Health of Women (3). Examines women's health issues and promotes positive self-care practices for common health problems. Includes epidemiology, assessment data, diagnostic methods, and self-care interventions. Encompasses health education and counseling to women during the life cycle and health care resources for women's health. Prerequisites: all core courses and NURS 829 and 832.

NURS 855. Management of the Acutely and Critically Ill Adult (3). Examines advanced nursing interventions focused on client stabilization and management of complications in the acutely/critically ill adult. Emphasizes the management of the adult with complex health problems. Interventions focus on application of advanced practice nursing care to the restoration of health/well-being. Prerequisites: NURS 805, 834, 839, 852, admission to the ACNP option, and departmental consent.

NURS 857. Pediatric Primary Care II: Management of Common Health Issues (3). Focuses on health promotion, health maintenance, and risk reduction for children and adolescents with special health care needs. Emphasizes comprehensive assessment, diagnosis, and management of health, developmental, and chronic health problems within a family and developmental framework. Considers children with developmental and learning disabilities and children with selected complex and chronic health problems. Emphasizes the collaborative and inter disciplinary nature of a child's care in school and other settings. Addresses the unique needs of children in underserved communities. Stresses applications of current research and theory-based interventions appropriate for management by advanced registered nurse practitioners. Emphasizes strategies and protocols to manage complex patient problems in urban and rural patients and interventions to restore children's and family levels of pre-illness health, including secondary and tertiary prevention. Prerequisites: NURS 847 and 848.

NURS 858. Pediatric Primary Care II Practicum: Clinical Management of Common Health Issues (3). A concentrated clinical practicum that emphasizes assessment and management of health promotion, health maintenance, and risk reduction for children and adolescents with special health care needs.
health care needs. Emphasizes comprehensive assessment, diagnosis, and management of health, developmental, and chronic health problems within a family and developmental framework. Includes children with developmental and learning disabilities and children with select complex and chronic health problems. Seminars focus on analysis and evaluation of clinical situations and cases. Prerequisite or co-requisite: NURS 857.

NURS 859. Pediatric Primary Care III: Advanced Health Care for School Nurse Practitioners (3). This multidisciplinary course builds upon the dimensions of assessment and health care for children and adolescents in a family and community framework and provides a foundation for advanced practice in school health from the perspectives of educators and health care providers. Focuses on major contemporary issues that affect the health and education of children and adolescents in the school community. Considers theories, models, and concepts from education, public health, and nursing as they relate to schools. Focuses on the link between health and education. Examines political, sociological, economic, and environmental factors, as well as major causes of morbidity and mortality. Special emphasis on cultural diversity and vulnerable and underserved populations-at-risk and strategies that enhance learning and health promotion. Prerequisites: previous courses in the PNP specialization or departmental consent.

NURS 860. Pediatric Primary Care III Practicum: School Health Practicum (3). A clinical course to prepare the student for advanced practice as a Pediatric/School Nurse Practitioner. Focuses on the health promotion, health maintenance, and risk reduction for children and adolescents with special health care needs, and the assessment and management of health and developmental problems within a family and developmental framework. Considers children with developmental and learning disabilities and children with select complex and chronic health problems. Emphasizes the collaborative and interdisciplinary nature of a child’s care in a school setting. Addresses the unique needs of children in underserved communities. Prerequisite or co-requisite: NURS 859.

NURS 861. Neonatal Nursing II (4). Second of two courses that integrate the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. Uses current research and evidence-based practices as course framework. Emphasizes the effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short- and long-term consequences to the child’s family. Discusses disorders of the gastrointestinal, renal, endocrine, hematologic, musculoskeletal, ophthalmologic, dermatologic, and immune systems. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings during 40 hours of required clinical activities. Prerequisites: core courses, NURS 713, 777, and 789.

NURS 862. Neonatal Nurse Practitioner Preceptorship I (6). First of two preceptorship experiences which can be taken concurrently or in consecutive semesters, there will be a minimum of 300 clinical hours. Provides opportunities to apply knowledge and skills from advanced nursing role, theory, research, and neonatal clinical courses to the advanced therapeutic management of high risk neonates. Emphasizes therapeutic measures within a conceptual framework or model and applies findings from research relevant to comprehensive care of neonates. The client system is the neonate and family. Prerequisites: NURS 815 and 861.

NURS 863. Nursing and Health Care Systems Administration: Capstone Seminar (3). Assists the student to integrate knowledge from nursing and administration courses to develop the individual’s own management/administration practice. Utilizes a seminar approach with case studies, student presentations, and presentations by executives and other experts from the community. Prerequisites: NURS 703, 705, 715, 775, 811, 812 (3 hours), 827; PHS 834 or 442; and PHS 848. Pre or co-requisites: NURS 812 (3 hours) and 851.

NURS 864. Neonatal Nurse Practitioner Preceptorship II (6). Second of two preceptorship experiences which can be taken concurrently or in consecutive semesters. There will be a minimum of 300 clinical hours. Provides opportunities to build upon knowledge and skills gained during NURS 862 regarding the advanced therapeutic management of high risk neonates. Emphasizes therapeutic measures within a conceptual framework or model and applying findings from research relevant to comprehensive care of neonates. The client system is the neonate and family. Prerequisites: NURS 815 and 861. Prerequisite or co-requisite: NURS 862.

The following abbreviations are used in the course descriptions; T stands for theory and L for laboratory. For example, 4T; 2L means 4 hours of theory and 2 hours of lab. P stands for practicum/clinical hours, 40P means 40 hours of practicum per week.