**HMSY 1343 Weapons of Mass Destruction**  
*3 Hours (3-0)*  
This course covers hazard and risk assessment, crime scene preservation, chemical agents, biological agents, radiological agents, explosive devices, detection-sampling and plume models, and personal protection methods. The critical role of first responders in weapons of mass destruction, mitigation, and survival will also be presented. Discussion will include historical events related to the use of weapons of mass destruction. Students will identify weapons of mass destruction and means of dissemination; and compare the different biological, chemical, and radiological materials used in weapons of mass destruction.

**HPRS 1106 Essentials of Medical Terminology**  
*1 Hour (1-0-0)*  
This course is a study of common medical terminology, word origin, structure, and application.

**HPRS 2200 Pharmacology for Health Professions**  
*2 Hours (2-0-0)*  
This course is a study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Co-requisite: BIOL 2401 or VNSG 1420.

**HPRS 2301 Pathophysiology**  
*3 Hours (3-0-0)*  
This course is a study of the pathology and general health management of diseases and injuries across the life span. Topics will include etiology, symptoms, pharmacology and the physical and psychological reactions to diseases and injuries. Prerequisite: BIOL 2401 or SCIT 1407.

**HUMA 1301 Humanities I**  
*3 Hours (3-0)*  
“Humanities I” invites students to expand their appreciation of the cultural side of human experience on the premise that a complete education should stimulate the intellect as well as provide skills and job training. This course will offer selected, interrelated topics in philosophy, literature, religion, and the arts and sciences from ancient times to about the year 1500. Coverage will be interdisciplinary and multi-cultural, and will include readings, various media, and performance.

**HUMA 1302 Humanities II**  
*3 Hours (3-0)*  
“Humanities II” complements Humanities I by inviting students to expand their appreciation of the cultural side of human experience still further on the premise that a complete education must stimulate the intellect as well as provide skills and job training. This course will offer selected and varying topics in philosophy, literature, religion, and the arts and sciences from about 1500 to the present. Coverage will be interdisciplinary and multi-cultural, and will include readings, various media, and performance. **THERE IS NO PREREQUISITE FOR THIS COURSE.**

**IMED 1316 Web Design I**  
*3 hours (3-1)*  
Instruction in web design and related graphic design issues including mark-up languages, web sites, and browsers. Students will identify how the Internet functions with specific attention to the World Wide Web and file transfer; apply design techniques in the creation and optimization of graphics and other embedded elements; demonstrate the use of World Wide Web Consortium (W3C) formatting and layout standards; and design, create, test, and maintain a web site.

**ITCC 1401 Cisco Exploration 1-Network Fundamentals**  
*4 Hours (3-3)*  
A course introducing the architecture, structure, functions, components, and models of the internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the applications, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling; perform basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. Students will identify and describe internet architecture, structure, functions, components, and models; describe the use of OSI and TCP layered models; identify and describe the nature and roles of protocols and services at the application, network, data link, and physical layers; describe principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations; and build simple LAN topologies by applying basic principles of cabling, device configuration, and IP subnetting.

**ITCC 1404 Cisco Exploration 2-Routing Protocols and Concepts**  
*4 Hours (3-3)*  
This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. Recognize and correct common routing issues and problems. Model and analyze routing processes. Students will describe the purpose, nature, and operations of a router; describe the purpose and nature of routing tables; describe the purpose and procedure of configuring static routes; design and implement a classless IP addressing scheme for a given network; describe the basis features and concepts of link-state routing protocols; and configure and verify basic RIPv1, RIPv2, single area OSPF, and EIGRP operations in a small routed network. Prerequisite: ITCC 1401.

**ITCC 2408 Cisco Exploration 3-LAN Switching and Wireless**  
*4 Hours (3-3)*  
This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Detailed explanations of LAN switch operations, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced. Students will identify and correct common network problems at layers 1, 2, 3, and 7 using a layered model approach; select the appropriate media, cables, ports, and connectors to connect switches to other devices and hosts; perform and verify initial switch configuration tasks including remote access management; configure, verify, and troubleshoot VLANs, VLAN Trunking, Inter-VLAN routing, VTP, and RSTP; verify network status and switch operation using basic utilities (ping, traceroute, telnet, SSH, arp, ipconfig); identify and describe the purpose of the components in a small wireless network (SSID, BSS, ESS); and identify the basic parameters to configure on a wireless network to ensure that devices connect to the correct point. Prerequisite: ITCC 1404.
READ 0171 Intermediate Reading II
1 Hour (0-1)
Lab course required for student who is taking an approved reading-intensive course under the “C or Better” option. Student must make a “C” in this course and a “C” in reading-intensive course to satisfy reading readiness requirements. Special attention given to reading skills that are needed in student’s particular course work.

READ 0271 Individualized Developmental Reading
2 Hours (0-2)
An individualized lab course designed for students who are required to take developmental reading when structured courses are not being offered. Course may be taken more than once.

READ 0370 Developmental Reading I
3 Hours (3-1)
A course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension, reading rate, vocabulary, and study skills. Course provides instruction in coping more effectively with reading requirements in students’ other courses. Developmental Reading Lab I is required with this course.

READ 0371 Developmental Reading II
3 Hours (3-1)
A more advanced course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension, reading rate, vocabulary, and study skills. Course provides instruction in coping more effectively with reading requirements in students’ other courses. Developmental Reading Lab II is required with this course.

READ 0372 Applied Reading
3 Hours (3-0)
A course conducted through lecture/discussion and individual instruction and designed to enable student to increase comprehension through intensive study of critical thinking, vocabulary, and readings in a specified field. Course is designed to help student to increase comprehension, reading rate, and vocabulary.

RNSG 1108 Dosage Calculations for Nursing
1 Hour (0-3-0)
This course covers dosage calculations includes reading, interpreting and solving calculation problems encountered in the preparation of medications, and conversion of measurements within the metric, apothecary, avoirdupois and metric systems. Prerequisites: Approval of instructor.

RNSG 1162 Clinical I
1 Hour (0-0-6)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 1163 Clinical III
1 Hour (0-0-3)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.

RNSG 1200 Introductory Concepts of Clinical Decision Making
2 Hours (2-1-0)
This course is an examination of selected principles related to the continued development of the professional nurse as a provider of care, coordinator of care, and member of a profession. The course emphasizes clinical decision making for clients in medical-surgical settings experiencing health problems involving pain, perioperative care, infection, eye-ear-throat disorders, and integumentary disorders. Included in the course is a discussion of knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission into the program.

RNSG 1201 Pharmacology
2 Hours (2-1-0)
This course is an introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics will include the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework. Prerequisite: BIOL 2401.

RNSG 1215 Health Assessment
2 Hours (1-3-0)
This course covers the development of skills and techniques required for a comprehensive health assessment within a legal/ethical framework. Prerequisite: Admission to the program.

RNSG 1227 Transition from Vocational to Professional Nursing
2 Hours (1-3-0)
Topics covered in this course include health promotion, expanded assessment, analysis of data, nursing process, pharmacology, multidisciplinary teamwork, communication, and applicable competencies in knowledge, judgment skills, and professional values within a legal/ethical framework throughout the life span. Prerequisite: Admission to the program.

RNSG 1412 Nursing Care of the Childbearing and Childrearing Family
4 Hours (3-4-0)
This course is a study of the concepts related to the provision of nursing care for childbearing and childrearing families; application of systematic problem-solving processes and critical thinking skills, including a focus on the childbearing family during preconception, prenatal, antepartum, neonatal, and postpartum periods and the childrearing family from birth to adolescence; and competency in knowledge, judgment, skill, and professional values within a legal/ethical framework. Prerequisite: Admission into the program and PSYC 2314.

RNSG 1462 Clinical II
4 Hours (0-0-12)
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisite: Admission into the program.
TMGT 3353 International Business
3 Hours (3-0)
This course provides an overview of the international business environment and conditions affecting firms conducting business overseas. Special emphasis will be placed on managerial functions and elements of the management process in a firm operating under foreign economic, technological and political, social, and cultural environments.

TMGT 3354 Leadership
3 Hours (3-0)
This course examines the nature and scope of leadership as it relates to applied technology and workforce training environments; the techniques for leadership, empowerment and team building are emphasized.

TMGT 3355 Mediation and Negotiation
3 Hours (3-0)
This course examines the nature of conflict and the methods to resolve conflict with an emphasis on collaborative problem solving and mediation. The theory and practice of negotiations are also studied, and students are given the opportunity to practice negotiation and mediation techniques through case study. Ethical decision making throughout these processes is addressed.

TMGT 3356 Oil and Gas Industry
3 Hours (3-0)
This course introduces the student to the development of multiple-use resource management strategies and the role of public policy in energy resource management. Topics include legal, regulatory, and operational requirements of energy production, refining, and transportation enterprises.

TMGT 3357 Introduction to Public Administration
3 Hours (3-0)
This course examines the origin and development of public administration as a discipline and profession. The purpose of this course is to provide students with a broad introduction to the field of Public Administration by providing introductory knowledge of the public sector, its practices, and its tools. Students will learn some of the concepts, issues, and challenges facing public administrators in federal, state, and local governments.

TMGT 3358 Network Security Management
3 Hours (3-0)
This course provides a strategic overview of network security management, including a review of the types of network security problems, best practices, cost analysis of different types of network security and network security policies. Prerequisite: ITNW 1454 or instructor permission.

TMGT 3391 Information Technology in Enterprise Management
3 Hours (3-0)
The use of information technology in commercial and industrial enterprises. Topics include the use of computers and software in communication, accounting, inventory management, production, automation, sales, and financial forecasting.

TMGT 4303 Electronic Commerce
3 Hours (3-0)
This course addresses issues including the digital economy, electronic commerce (EC) marketing, EC models and applications, and building and implementing EC systems. The course will cover the underlying technologies used in the implementation of electronic commerce systems. It identifies the practical skills needed and tools to design and develop effective systems and interfaces. Architectures and interdependence of systems and software that support EC and the state of the art in successful EC systems will also be discussed.

TMGT 4320 Organizational Design and Management Seminar
3 Hours (3-0)
Students work in teams on instructor-approved industry-specific projects; teams will formulate an implementation plan using technology management skills to identify problems and formulate solutions. Each team will make a formal presentation for peer review. Prerequisites: Senior classification or approval of program director.

TMGT 4385 Organizational Management Internship
3 Hours (0-0-18)
This internship course is designed to provide organizational management students a broad exposure to the operations of a company or public service agency and knowledge of the structure, goals, and work procedures of the organization by participating in planned and supervised activities. Students will have the opportunity to combine academic learning with practical experience while pursuing their organizational management degree. Prerequisites: Senior classification or approval of program director.

TMGT 4386 Organizational Management Internship
3 Hours (0-0-18)
This internship is a repeat of TMGT 4385 but with approved job-specific learning objectives. Prerequisites: TMGT 4385 and instructor permission.

VNSG 1126 Gerontology
1 Hour (1-0-0)
This course is an overview of the normal physical, psychosocial, and cultural aspects of the aging process including common disease processes of aging and exploration of attitudes toward care of the older adult.

VNSG 1136 Mental Health
1 Hour (1-0-0)
This course is an introduction to the principles and theories of positive mental health and human behaviors, including emotional responses, coping mechanisms, and therapeutic communication skills.

VNSG 1219 Leadership and Professional Development
2 Hours (2-0-0)
This course is a study of the importance of professional growth and development of added nursing skills. Topics will include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education.
VNSG 1230 Maternal-Neonatal Nursing  
2 Hours (2-1-0)  
This course covers the utilization of the nursing process in the assessment and management of the childbearing family. Emphasis will be on the bio-psycho-socio-cultural needs of the family during the phases of pregnancy, childbirth, and the neonatal period including abnormal conditions.

VNSG 1234 Pediatrics  
2 Hours (2-1-0)  
This course is a study of childhood diseases and childcare from infancy through adolescence. The focus is on the care of the well and the ill child utilizing the nursing process.

VNSG 1238 Mental Illness  
2 Hours (2-0-0)  
This course is a study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process.

VNSG 1304 Foundations of Nursing I  
3 Hours (3-0-0)  
This course is an introduction to the nursing profession including history, standards of practice, legal and ethical issues, and the role of the vocational nurse. Topics will include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness.

VNSG 1420 Anatomy and Physiology for Allied Health  
4 Hours (3-2-0)  
This course is an introduction to the normal structure and function of the body including an understanding of the relationship of body systems in maintaining homeostasis.

VNSG 1423 Basic Nursing Skills  
4 Hours (2-6-0)  
This course is a mastery of entry level nursing skills and competencies for a variety of health care settings. The nursing process will be utilized as the foundation of all nursing interventions.

VNSG 1509 Nursing in Health and Illness II  
5 Hours (4-3-0)  
This course is an introduction to common health problems requiring medical and surgical interventions.

VNSG 2262 Clinical I  
2 Hours (0-0-9)  
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2361 Clinical I  
2 Hours (0-0-9)  
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2431 Advanced Nursing Skills  
4 Hours (2-6-0)  
This course is a mastery of advanced level nursing skills and competencies in a variety of health care settings utilizing the nursing process as a problem-solving tool.

VNSG 2461 Clinical II  
4 Hours (0-0-15)  
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2461 Clinical III  
5 Hours (0-0-19)  
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VNSG 2562 Clinical III  
5 Hours (0-0-19)  
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

VTHT 1160 Clinical I - Veterinary Technician  
1 Hour (0-6)  
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical profession. Prerequisites: Permission from director. Co-requisite: VTHT 2213.

VTHT 1161 Clinical II - Veterinary Technician  
1 Hour (0-6)  
Continuation of a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical profession. Prerequisite: Permission from director. VTHT 1160 and VTHT 2213 Co-requisites: VTHT 2201 and VTHT 2325.

VTHT 1205 Veterinary Medical Terminology  
2 Hours (2-0)  
Introduction to word parts, directional terminology, and analysis of common veterinary terms. Prerequisite: Permission from director.

VTHT 1209 Veterinary Nutrition  
2 Hours (2-0)  
Fundamentals of energy and non-energy producing nutrients and their sources and functions. Integration of concepts including digestion, absorption, and metabolism with application to normal and therapeutic nutritional needs. Prerequisite: Permission from director.

VTHT 1225 Pharmacological Calculations  
2 Hours (1-2)  
Skill development in calculating oral and parental drug dosages. Prerequisite: Permission from director. Must pass THEA.

VTHT 1301 Introduction to Veterinary Technology  
3 Hours (3-2)  
Survey of the profession of veterinary technology with emphasis on basic techniques, handling and care of animals, and ethical and professional requirements. Prerequisite: Permission from director.

VTHT 1317 Veterinary Office Management  
3 Hours (2-2)  
Practical experience in management of the veterinary practice. Emphasis on client relations, record keeping, inventory, employment skills, and computer skills in the veterinary environment. Prerequisite: Permission from director. Must be TSI complete.

VTHT 1345 Veterinary Radiology  
3 Hours (2-3)  
Presentation of theory and principles and practical application of radiology within the field of veterinary medicine. Prerequisites: Permission from director, VTHT 1160, VTHT 1161, VTHT 1413, VTHT 2201, VTHT 2213, VTHT 2325. Co-requisite: VTHT 2260.