BCIS 2390 Systems Analysis & Design
3 Hours (3-0)
Analysis of business information needs and preparation of specifications and requirements for appropriate data system solutions. Includes instruction in information requirements analysis, specification development and writing, prototype evaluation, and network application interfaces.

BIOL 1322 Nutrition & Diet Therapy
3 Hours (3-0)
Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet applications. May not be used as a core science requirement.

BIOL 1406 Biology for Science Majors I
4 Hours (3-3)
This general biology course (first semester) is devoted to principles shared by all organisms. These principles are cell biology, energy, genetics, evolution, and ecology.

BIOL 1407 Biology for Science Majors II
4 Hours (3-3)
This general biology course (second semester) is devoted to particular organisms. Much of the emphasis is on vertebrate biology. The principles studied are diversity, plant biology, animal biology, and behavior. Dissection required. Prerequisite: BIOL 1406.

BIOL 1408 Introduction to Biology I
4 Hours (3-3)
Fundamental principles of living organisms including physical and chemical properties of life, organization, and function. Concepts of reproduction, genetics, and the scientific method are included. This course is suitable as a required lab sciences for non-biology majors and may not be substituted for BIOL 1406.

BIOL 1409 Introduction to Biology II
4 Hours (3-3)
Fundamental principles of living organisms including evolutionary adaptation and classification. Concepts of evolution, ecology, and the scientific method are included. This course is suitable as a required lab science for non-biology majors and may not be substituted for BIOL 1407. Prerequisite: BIOL 1408

BIOL 1424 Systematic Botany
4 Hours (3-3)
Introduction to the identification, classification, and evolutionary relationships of vascular plants with emphasis on flowering plants. Includes the importance of herbaria, collection techniques, and the construction and use of taxonomic keys.

BIOL 2289 Academic Cooperative
2 Hours (2-3)
An instructional program designed to integrate on-campus study with practical hands-on work experience in the biological sciences/life sciences. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of living organisms and their systems. Prerequisite: BIOL 1406 and 1407 or BIOL 2401 and 2402.

BIOL 2106 Environmental Biology Lab
1 Hour (0-3)
This course is designed to enable students to become proficient in human interaction with and effect upon plant and animal communities. Conservation, pollution, energy, and other contemporary ecological problems. Co-requisite: BIOL 2306.

BIOL 2306 Environmental Biology
3 Hours (3-0)
This course is designed to enable students to become proficient in human interaction with and effect upon plant and animal communities. Conservation, pollution, energy, and other contemporary ecological problems. Co-requisite: BIOL 2106.

BIOL 2401 Anatomy and Physiology I
4 Hours (3-4)
This course is designed to produce student proficiency in body organization, the skeletal system, the muscular system, and the nervous system. Laboratory work will include dissection of a mammal. Dissection required. Prerequisite: Requires “C” or greater in BIOL 2401.

BIOL 2416 Genetics
4 Hours (3-4)
This course is designed to enable students to become proficient in the following biological systems: the circulatory system with special emphasis on the blood and heart, the respiratory system, the digestive system, and the reproductive system. Laboratory work will include dissection of a mammal. Dissection required. Prerequisite: Requires “C” or greater in BIOL 2401.

BIOL 2421 Microbiology for Science Majors
4 Hours (3-4)
The study of the morphology, physiology, and taxonomy of representative groups of pathogenic and nonpathogenic microorganisms. Pure cultures of microorganisms grown on selected media are used in learning laboratory techniques. Includes a brief preview of food microbes, public health, and immunology. Prerequisite: BIOL 1406 or BIOL 2401 or CHEM 1405 or CHEM 1411 or permission of instructor.

BMGT 1301 Supervision
3 Hours (3-0)
The role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills. Students will explain the role, characteristics, and skills of a supervisor; identify the principles of management at the supervisory level; identify and discuss the human relations skills necessary for supervision; explain motivational techniques; and cite examples of how motivational techniques can be used by a supervisor in a working environment.

BMGT 1305 Communications in Management
3 Hours (3-0)
Basic theory and processes of communication skills necessary for the management of an organization’s workforce. Students will explain the communication process; identify and remedy major communication barriers; describe how communication contributes to effective management.
EMSP 1145 International Trauma Life Support  
1 Hour (1-0-0)  
This course covers the theory and skills necessary for the management of trauma emergencies as specified by International Trauma Life Support (ITLS) guidelines.

EMSP 1147 Pediatric Advanced Life Support  
1 Hour (1-0-0)  
This course covers the theory and skills necessary for the management of pediatric emergencies as specified by the American Heart Association guidelines. This course was designed to be repeated multiple times to improve student proficiency.

EMSP 1355 Trauma Management  
3 Hours (2-2-0)  
This course is a detailed study of the knowledge and skills in the assessment and management of patients with traumatic injuries. Prerequisite: Admission to the program.

EMSP 1356 Patient Assessment and Airway Management  
3 Hours (2-2-0)  
This course is a detailed study of the knowledge and skills required to perform patient assessment and airway management. Prerequisite: Admission to the program.

EMSP 1360 EMT Clinical  
3 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. Clinical experience is an unpaid learning experience. Prerequisite: Admission to the program.

EMSP 1438 Introduction to Advanced Practice  
4 Hours (3-2-0)  
This course is an exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital. Prerequisite: Admission to the program.

EMSP 1501 Emergency Medical Technician - Basic  
5 Hours (4-4-0)  
This course is an introduction to the level of Emergency Medical Technician (EMT) - Basic. It includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. Prerequisite: Admission to the program.

EMSP 2135 Advanced Cardiac Life Support  
1 Hour (0-2-0)  
This course covers the theory and skills necessary for the management of cardiovascular emergencies as specified by the American Heart Association (AHA) guidelines. This course was designed to be repeated multiple times to improve student proficiency. Prerequisite: Admission to the program.

EMSP 2163 Paramedic 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. Prerequisite: EMSP 2262.

EMSP 2243 Assessment Based Management  
2 Hours (3-0-0)  
This course is designed to provide instruction in comprehensive, assessment based patient care management. The course includes specific care in dealing with pediatric, adult, geriatric, and special needs patients. Prerequisite: Admission to the program.

EMSP 2248 Emergency Pharmacology  
2 Hours (2-0-0)  
A comprehensive course covering all the utilization of medications in treating emergency situations.

EMSP 2260 Paramedic Clinical I  
2 Hours (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. Prerequisite: Admission to the program.

EMSP 2262 Paramedic Clinical II  
2 Hours (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. Prerequisite: EMSP 2260.

EMSP 2263 Paramedic Clinical IV  
2 Hours (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. Prerequisite: EMSP 2262.

EMSP 2338 EMS Operations  
3 Hours (3-0-0)  
This capstone course is a detailed study of the knowledge and skills required to safely manage the scene of an emergency. Prerequisite: Admission to the program.

EMSP 2434 Medical Emergencies  
4 Hours (3-2-0)  
This course is a detailed study of the knowledge and skills in the assessment and management of patients with medical emergencies. Prerequisite: Admission to the program.

EMSP 2444 Cardiology  
4 Hours (3-2-0)  
This course covers assessment and management of patients with cardiac emergencies. Topics include basic dysrhythmia interpretation, recognition of 12-lead EKGs for field diagnosis, and electrical and pharmacological interventions. Prerequisite: Admission to the program.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301 Composition and Rhetoric</td>
<td>3 Hours</td>
<td>A course designed to enable students to develop and write multi-paragraph essays, including a research paper; to write logically; and to read, research, analyze, and discuss the literary genres of poetry, short fiction, and drama. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.</td>
</tr>
<tr>
<td>ENGL 2307 Creative Writing</td>
<td>3 Hours</td>
<td>A course designed to enable students to investigate and discuss the creative process, to study and practice techniques of creative writing; and to read, analyze, discuss, and write two or more of the following: narrative essays, poems, short stories, and researched reviews/abstracts. Course assignments will include a minimum of 6000 words of writing. Credit will be given only once for ENGL 2307.</td>
</tr>
<tr>
<td>ENGL 2308 Advanced Studies in Creative Writing</td>
<td>3 Hours</td>
<td>An advanced course designed to enable students to investigate and discuss the creative Process; to study and practice techniques of creative writing; and to read, analyze, discuss, and write one or more of the following: narrative essays, poems, short stories, and plays. Credit will be given only once for ENGL 2308. Prerequisite: ENGL 1301.</td>
</tr>
<tr>
<td>ENGL 2314 Technical &amp; Business Writing I</td>
<td>3 Hours</td>
<td>First semester of a study designed to enable students to organize and prepare basic technical materials in the following areas: abstracts, proposals, technical descriptions, instructional processes, informational processes, technical definitions, progress reports, formal technical reports, graphics, and business correspondence. Course is designed also to enable students to analyze audience and present oral reports. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.</td>
</tr>
<tr>
<td>ENGL 2315 Technical &amp; Business Writing II</td>
<td>3 Hours</td>
<td>Second semester of a study designed to enable students to organize and prepare materials for college-level scientific, technical, or business writing. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1301.</td>
</tr>
<tr>
<td>ENGL 2322 British Literature Anglo-Saxon Period through Neo-Classical</td>
<td>3 Hours</td>
<td>A course designed to enable students to develop a historical perspective on the development of ideas and literary techniques by studying major authors, works, and trends in English literature from the Anglo-Saxon Period through the Neo-classical Age. Students will develop their critical thinking, research, and writing skills. Course assignments will include a minimum of 6000 words of writing. Prerequisite: ENGL 1302.</td>
</tr>
</tbody>
</table>
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.
POFT 1227 Introduction to Keyboarding
2 Hours (2-0)
Skill development in keyboarding techniques. Emphasis on the development of acceptable speed and accuracy. Students will demonstrate basic keyboarding techniques, with acceptable accuracy and speed of at least 30 words per minute.

POFT 1301 Business English
3 Hours (3-0)
Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business. The student will apply the basic rules of grammar, spelling, capitalization, number usage, and punctuation; utilize terminology applicable to technical and business writing; develop proofreading and editing skills, and write effective sentences and paragraphs for business applications. Does not count toward major in “Psychology.”

POFT 1309 Administrative Office Procedure I
3 Hours (3-0)
Study of current office procedures, duties, and responsibilities applicable to an office environment. Students will develop time management techniques; demonstrate communication skills; and identify the basic skills of an office professional.

POFT 1325 Business Mathematics and Machine Applications
3 Hours (3-1)
Business math problem-solving skills using office technology. Students will solve business application problems using office technology.

POFT 2312 Business Correspondence and Communications
3 Hours (3-0)
Development of writing and presentation skills to produce effective business communications. Students will compose, produce, and present effective business documents appropriate to meet industry standards; apply critical evaluation techniques to business documents and demonstrate the importance of coherent, ethical communication principles in business and industry. Prerequisite: POFT 1301 or instructor permission.

POFT 2333 Advanced Document Formatting and Skill Building
3 Hours (2-4)
A continuation of keyboarding skills in advanced document formatting emphasizing speed, accuracy, and decisionmaking. Students will demonstrate proficient keyboarding techniques; apply mailability standards to business documents using word processing software; and implement decision-making skills. Prerequisites: POFT 1227 and POFT 2401.

POFT 2380 Cooperative Education-Administrative/Secretarial, General Science
3 Hours (1-0-20)
Career related activities encountered in the student’s area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through work experience. This course may be repeated if topics and learning outcomes vary. As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, and legal systems associated with the particular occupation and the business/industry; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable technical language of the occupation and the business or industry. Prerequisite: Two Business Applications courses or instructor permission.

POFT 2401 Document Formatting and Skill Building
4 Hours (3-3)
A continuation of keyboarding skills emphasizing acceptable speed, and accuracy levels and formatting documents. Students will demonstrate proficient keyboarding techniques; and apply mailability standards to business documents using word processing software. Prerequisites: POFT 1227 and ITSW 1401 or instructor permission.

POFT 2431 Administrative Systems
4 Hours (3-3)
Advanced concepts of project management and office procedures integrating software applications. Students will select materials, procedures, and equipment; and manage business projects using technology, critical thinking, and problem-solving skills. Prerequisites: ITSW 1401, ITSW 1404, ITSW 1407 and ITSW 1410.

PSYC 1200 Student Success Seminar
2 Hours (2-1)
Addresses the knowledge necessary for college success; develops the skills necessary to study and learn; and develops competence in finding information and resources. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual bases for this introduction to college-level student academic strategies. Students develop educational plans and use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. (Cross-listed as EDUC 1200)

PSYC 2301 Introduction to Psychology
3 Hours (3-0)
“Introduction to Psychology” deals with the scientific study of the behavior of individuals and their mental processes. The focus is on the perceptions, thoughts, emotions, and social interactions of people in their everyday lives. Psychological theories of mental health, mental disorders, and therapy will be addressed.

PSYC 2302 Applied Psychology
3 Hours (3-0)
This course is the application of psychological principles and methods to the development of the cognitive and social skills of students in the collegiate setting. Does not count toward major in Psychology.

PSYC 2306 Human Sexuality
3 Hours (3-0)
“Human Sexuality” provides a comprehensive introduction to the biological, psychological, behavioral, and cultural aspects of sexuality. Contemporary research addressing such issues as communication, love, relationships, sexual problems, therapies, pregnancy, and childbirth is discussed. Also SOCI 2306.

Students may receive credit for only two of PSYC 2308, PSYC 2311 and PSYC 2314.

PSYC 2308 Child Psychology
3 Hours (3-0)
This course covers the first part of the human developmental process. It focuses on psychological, cognitive, social, and environmental factors that shape human behavior from prenatal development through adolescence. Prerequisite: PSYC 2301 or permission of instructor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNSG 1230</td>
<td>Maternal-Neonatal Nursing</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 1234</td>
<td>Pediatrics</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 1238</td>
<td>Mental Illness</td>
<td>2</td>
<td>This course is a study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process.</td>
</tr>
<tr>
<td>VNSG 1304</td>
<td>Foundations of Nursing I</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 1420</td>
<td>Anatomy and Physiology for Allied Health</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 1423</td>
<td>Basic Nursing Skills</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 1509</td>
<td>Nursing in Health and Illness II</td>
<td>5</td>
<td>This course is an introduction to common health problems requiring medical and surgical interventions.</td>
</tr>
<tr>
<td>VNSG 2262</td>
<td>Clinical I</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 2361</td>
<td>Clinical I</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 2431</td>
<td>Advanced Nursing Skills</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 2461</td>
<td>Clinical II</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>VNSG 2461</td>
<td>Clinical III</td>
<td>5</td>
<td>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.</td>
</tr>
<tr>
<td>VTHT 1160</td>
<td>Clinical I - Veterinary Technician</td>
<td>1</td>
<td>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.</td>
</tr>
<tr>
<td>VTHT 1161</td>
<td>Clinical II - Veterinary Technician</td>
<td>1</td>
<td>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. Prerequisites: Permission from director, VTHT 1160 and VTHT 2213 Co-requisites: VTHT 2201 and VTHT 2325.</td>
</tr>
<tr>
<td>VTHT 1205</td>
<td>Veterinary Medical Terminology</td>
<td>2</td>
<td>Introduction to word parts, directional terminology, and analysis of common veterinary terms. Prerequisite: Permission from director.</td>
</tr>
<tr>
<td>VTHT 1209</td>
<td>Veterinary Nutrition</td>
<td>2</td>
<td>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.</td>
</tr>
<tr>
<td>VTHT 1225</td>
<td>Pharmacological Calculations</td>
<td>2</td>
<td>Skill development in calculating oral and parental drug dosages. Prerequisite: Permission from director. Must pass THEA</td>
</tr>
<tr>
<td>VTHT 1301</td>
<td>Introduction to Veterinary Technology</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>VTHT 1317</td>
<td>Veterinary Office Management</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>VTHT 1345</td>
<td>Veterinary Radiology</td>
<td>3</td>
<td>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.</td>
</tr>
</tbody>
</table>
All degrees with the exception of the AAS require students to complete the Core Curriculum. The Core Curriculum was established by the Texas legislature and the Texas Higher Education Coordinating Board to facilitate the transfer of courses between state supported institutions of higher education in Texas and to provide students with the basis of a liberal education. In order to obtain most degrees from a state supported institution in Texas, a student must complete the Core Curriculum. Thus, once a student has completed the Core Curriculum at one institution, it has been completed at all state supported institutions. Courses are chosen from the following areas. Consult degree programs for specific requirements. The required number of semester credit hours is noted in parenthesis beside each area.

<table>
<thead>
<tr>
<th>010 - Communications (9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301 and 1302, one course chosen from SPCH 1311, 1315, 1318, or 1321</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>020 - Mathematics (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1314, MATH 1316, MATH 1324, MATH 1342, MATH 1414, MATH 2412, MATH 2413, MATH 2414, MATH 2415</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>030 - Natural Sciences (8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 1424, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, GEOL 1401, GEOL 1403, GEOL 1404, GEOL 1405, GEOL 1447, PHYS 1401, PHYS 1402, PHYS 1403, PHYS 1404, PHYS 1415, PHYS 1417, PHYS 2425, PHYS 2426</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>040 - Humanities (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, FREN 2311, FREN 2312, GERM 2311, GERM 2312, HUMA 1301, HUMA 1302, LATI 2311, LATI 2312, PHIL 1301, PHIL 2303, PHIL 2306, SPAN 2311, SPAN 2312</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>050 - Visual and Performing Arts (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1301, ARTS 1303, ARTS 1304, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, MUSI 1306, MUSI 1308, MUSI 1309, MUSI 1310</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>060 - 070 - 080 - Social and Behavioral Sciences (15)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. History (6):</strong> HIST 1301, HIST 1302, HIST 2301</td>
</tr>
<tr>
<td><strong>Government/Political Science (6):</strong> GOVT 2301, GOVT 2302</td>
</tr>
<tr>
<td><strong>Other Social/Behavioral Sciences (3):</strong> ANTH 2302, ANTH 2351, COMM 2300, ECON 2301, ECON 2302, GEOG 1303, HIST 2311, HIST 2312, PSYC 2301, SOCI 1301, SOCI 1306</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>090 - Fitness and Wellness (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 1100, KINE 1101, KINE 1102, KINE 1103, KINE 1104, KINE 1105, KINE 1106, KINE 1107, KINE 1108, KINE 1109, KINE 1110, KINE 1111, KINE 1113, KINE 1117, KINE 1118, KINE 1119, KINE 1120, KINE 1125, KINE 1126</td>
</tr>
</tbody>
</table>

**Total: 42 semester credit hours**