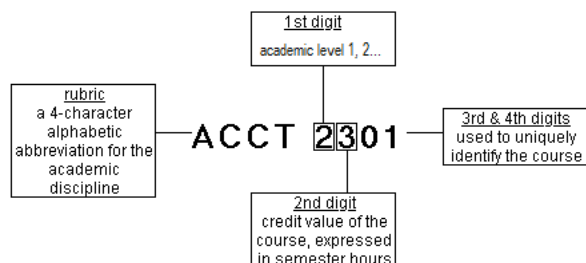


of this policy may lead to disciplinary actions up to and including dismissal from school.

Program Course Descriptions

Course Numbering System

Each course is identified by an alphabetic prefix. The rubric begins with a series of alphabetic characters representing the academic discipline. The first digit of the course number denotes the academic level of the course; the second digit denotes the credit value of the course in semester hours; and the remaining digit(s) establishes course sequencing and/or distinguishes the course from others of the same level, credit value, and rubric.



AP110CR: Fundamentals of Anatomy & Physiology

Credit Hours: 3.00 Clock Hours: 45/0

This course introduces the student to the structure and function of the body. Directions, geometric planes, and cavities of the body are presented. Cells, tissues, organs, and systems are discussed. The major organs of each system and how they relate to the overall status of the body are covered. A student who fails AP110CR will be withdrawn from the co-requisite course.

Prerequisites: None; Co-requisite: VN103CR

BIOL1111: Anatomy and Physiology I VLab

Credit Hours: 1.00 Clock Hours: 0/30/0

In this virtual lab, the student will learn through virtual experiments the organization of the body and the anatomy/physiology of the cells, tissues and membranes, and various body systems as correlated to the BIOL1310 Anatomy & Physiology I course content. Co-requisite: BIOL1310

BIOL1121: Anatomy and Physiology II VLab

Credit Hours: 1.00 Clock Hours: 0/30/0

In this virtual lab, the student will learn through virtual experiments various body systems as correlated to the BIOL1320 Anatomy & Physiology II course content.

BIOL1310: Anatomy & Physiology I

Credit Hours: 3.00 Clock Hours: 45/0/0

This course covers the organization of the body and the anatomy and physiology of the cells, tissues and membranes, and various body systems: integumentary, muscular, skeletal, nervous, sensory and endocrine. The major organs of studied systems and how they relate to the overall status of the body will be discussed. Prerequisites: None

BIOL1320: Anatomy & Physiology II

Credit Hours: 3.00 Clock Hours: 45/0/0

This is the second of two courses that covers the organization of the body and the anatomy and physiology of various body systems: circulatory, cardiovascular, lymphatic, immunity, digestive, respiratory, urinary, and

reproductive. The major organs of studied systems and how they relate to the overall status of the body will be discussed. Prerequisites: None

BIOL1330: Microbiology

Credit Hours: 3.00 Clock Hours: 45/0/0

Students learn a branch of biology dealing with microscopic forms of life. They learn how microorganisms on humans can be both beneficial and harmful. Students gain insight on different viruses and how they affect humans, the environment, and the future of genetics. Prerequisites: None

BIOL1405: Anatomy & Physiology

Credit Hours: 4.00 Clock Hours: 60/0/0

This course covers the organization of the body and the anatomy and physiology of the cells, tissues, and membranes; respiratory system; integumentary system; skeletal system; muscular system; nervous system; sensory systems; digestive system; circulatory system; lymphatic system; reproductive system; urinary system; and endocrine system. The major organs of each system and how they relate to the overall status of the body are discussed. Prerequisites: None

BIOL1411: Anatomy & Physiology I

Credit Hours: 4.00 Clock Hours: 45/30/0

This course covers the organization of the body and the anatomy and physiology of the cells, tissues and membranes, and various body systems: integumentary, muscular, skeletal, nervous, sensory, and endocrine. The major organs of studied systems and how they relate to the overall status of the body are discussed. Laboratory is three hours per week.

Prerequisites: None

BIOL1421: Anatomy & Physiology II

Credit Hours: 4.00 Clock Hours: 45/30/0

This is the second of two courses that covers the organization of the body and the anatomy and physiology of various body systems: cardiovascular, lymphatic, immune, digestive, respiratory, urinary, and reproductive. The major organs of studied systems and how they relate to the overall status of the body are discussed. Laboratory is three hours per week.

Prerequisite: BIOL1411

BIOL1431: Microbiology

Credit Hours: 4.00 Clock Hours: 45/30/0

In this course, students learn a branch of biology dealing with microscopic forms of life. They will learn how microorganisms on humans can be both beneficial and harmful. Students will have an insight on different viruses and how they affect humans, the environment and the future of genetics. Laboratory is 3 hours per week. Prerequisites: None

CHEM1310: Chemistry

Credit Hours: 3.00 Clock Hours: 45/0/0

Development and application of concepts, theories, and laws underlying chemistry. Topics in inorganic chemistry, organic chemistry, biochemistry, and properties of both ionic and covalent compounds are covered as well as stoichiometry, atomic and molecular structure, the states of matter, reaction rates, and equilibria. Prerequisites: None

COMM1310: Elements of Human Communication

Credit Hours: 3.00 Clock Hours: 45/0/0

Students are given the opportunity to learn and apply practical principles of human interpersonal communication in daily life. Emphasis is placed on the psychological, social, cultural, and linguistic factors that affect normal

person-to-person interaction. Through practical application, this course assists the student in improving public speaking skills. Prerequisites: None

CPSO1001: Career Path Success A

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. Upon completion of this course, students will better understand the importance of time management, planning and scheduling, managing distractions, and scheduling for specialized populations. Students will also learn how to prioritize time using various methods, create personalized schedules and to-do lists, and manage distractions. The importance of critical thinking in the workplace and scheduling needs for specialized populations is examined.

Prerequisites: None

CPSO1011: Career Path Success A

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. Upon completion of this course, students will better understand the importance of time management, planning and scheduling, and managing distractions. Students will also learn how to prioritize time using various methods, as well as create personalized schedules and to-do lists. Students will discuss study skills and learn how to form effective study habits. The importance of critical thinking in the healthcare field will also be examined. Prerequisites: None

CPSO1002: Career Path Success B

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. This course discusses appropriate attire as well as overall professional image for a healthcare environment. Students will examine habits that promote effective study skills as well as identify appropriate professional interactions when working with specialized populations. Prerequisites: None

CPSO1012: Career Path Success B

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. This course discusses appropriate attire as well as overall professional image for a healthcare environment. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. Students in this course will explore the importance of the image conveyed through written and verbal communications as well as the impact those communications have on others. Prerequisites: None

CPSO1003: Career Path Success C

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by

employers, coworkers and patients. Students in this course will explore the importance of the image conveyed through written and verbal communications as well as the impact those communications have on others. Students will explore perceptions of professionalism in the healthcare environment as well as identify basics of financial literacy including budgeting, spending habits and saving. Prerequisites: None

CPSO1013: Career Path Success C

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will identify basics of financial literacy including budgeting, spending habits and saving. Students will explore ideas about loan repayment and gain understand of loan interest. Students will also learn about teamwork and conflict resolution in the workplace, as well as explore the idea of drug use and how healthcare providers can identify signs of drug use. Prerequisites: None

CPSO1004: Career Path Success D

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. In this course students will learn to nurture appropriate and effective co-worker relationships including the importance of protecting confidentiality of patients and co-workers. Students will learn to work effectively in teams in the healthcare environment as well as how to locate potential externship and employment opportunities. Conflict in the healthcare environment is discussed as well as methods of managing and resolving conflict. Basic skills for recognizing illegal drug use are presented and students will understand and be able to appropriately respond to triggers for special needs patients.

Prerequisites: None

CPSO1014: Career Path Success D

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will learn about helpful tips for short- and long-term career planning, as well as accountability in the workplace. Students will learn how to locate potential externship and employment opportunities. Additionally, students will practice creating a resume, discuss important interview tips, and learn about the importance of interview follow-up. Prerequisites: None

CPSO1005: Career Path Success E

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. Students will learn why developing good people skills is beneficial in a healthcare environment as well as the necessity of embracing diversity when working with patients and others. The importance of taking responsibility for one's own actions is examined as well as the process for creating an effective resume and the steps necessary for a successful job search. Prerequisites: None

CPSO1015: Career Path Success E

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In the Career Path Success courses students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will learn about confidentiality in healthcare, specifically investigating the Healthcare Insurance Portability and Accountability Act (HIPAA). Students will learn why developing good people skills is beneficial in a healthcare environment as well as the necessity of embracing diversity when working with patients and others. Additionally, students will reflect on the importance of volunteering and community service. Prerequisites: None

CPSO1006: Career Path Success F

Credit Hours: 0.50 Clock Hours: 15/0/0

In this Career Path Success course students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will explore attitudes, behaviors and communication skills expected by employers, coworkers and patients. In this course students will examine the healthcare job market and identify effective interviewing techniques, interviewer perceptions, as well as interview follow-up. Students will also examine unique situations relating to the elderly and terminally ill. Prerequisites: None

CPSO1016: Career Path Success F

Credit Hours: 0.50 Clock Hours: 15 (Theory 15) (Online 15)

In the Career Path Success courses students will learn and practice many of the soft skills needed to be successful in a healthcare career. Students will investigate a variety of topics related to serving specialized populations in healthcare. Students will examine unique situations relating to the elderly and terminally ill, as well as homeless patients, patients with autism, and other groups with unique healthcare needs. Prerequisites: None

CSCI1310: Computer Science

Credit Hours: 3.00 Clock Hours: 45/0/0

This course provides a fundamental explanation of the procedures to utilize hardware and software. The student will explore and practice functions in Windows® operating system, computer software applications, the Internet, hardware basics and network systems. Students will practice essential word processing and spreadsheet skills for the creation and editing of typical documents. Prerequisites: None

DH101: Dental Hygiene I

Credit Hours: 5.00 Clock Hours: 30/90/0

This course is designed to develop basic introductory skills that will be used while providing dental hygiene care in a clinical setting. These skills include infection control, medical/dental histories, vital signs, extraoral and intraoral examination, examination and charting of hard and soft tissues, preventive dentistry, ergonomics, instrumentation, polishing, and fluorides. Prerequisites: None

DH102: Dental Hygiene II

Credit Hours: 5.50 Clock Hours: 30/60/80

This course is designed to build on the basic skills acquired in the Pre Clinic course taught in the 1st term. This course is also taught to aid the student in incorporating higher order thinking skills. The skills in this course include pain and anxiety control, nitrous safety and protocol, advanced instrumentation, power-driven scaling, ultrasonic fundamentals and implant maintenance. Prerequisite: DH101

DH103: Dental Radiography

Credit Hours: 3.00 Clock Hours: 30/30/0

This course provides essential theory, techniques, and radiation basics in the dental practice. Focus includes equipment, film processing, mounting, interpretation, and basic techniques. The course also includes the technical aspects of radiation exposure, monitoring, and safety. Prerequisites: None

DH104: Dental Materials

Credit Hours: 2.00 Clock Hours: 15/30/0

This course is designed to introduce the dental hygienist to a variety of dental materials used in the dental office. It focuses on history, composition, properties, and uses of materials, as well as techniques of manipulation and how this assists the hygienist in a professional capacity. This course enhances the ability of the student to make judgments in a clinic/office regarding the use of dental materials with consideration of how they react in the oral cavity. Prerequisites: None

DH105: Dental Anatomy/Tooth Morphology

Credit Hours: 4.00 Clock Hours: 60/0/0

This course emphasizes the anatomical structures of the head and neck and tooth morphology for the Dental Hygiene student. Course content includes the study of osteology, musculature, neurology, vasculature and nerves of the head and neck. Emphasis will be on clinical appearance of oral structures, dental terminology, morphology of the permanent and primary dentition patterns, and the occlusion and malocclusion within the dental arches. Prerequisites: None

DH110: Oral Embryology & Histology

Credit Hours: 3.00 Clock Hours: 45/0/0

This course deals with cells and tissues of the body, focusing on those tissues composing the head, neck, and oral cavity. Emphasis is placed on dental histology, embryology, general histology, and healing and repair in the oral structures. Prerequisite: DH105

DH111: Dental Office Emergencies

Credit Hours: 1.00 Clock Hours: 15/0/0

This course is developed for the student to obtain new information regarding assessment and management of emergencies in a dental office. Prerequisites: None

DH201: Dental Hygiene III

Credit Hours: 5.00 Clock Hours: 30/0/135

This course will provide the opportunity for the student to continue the development of clinical skills necessary to perform the duties of a dental hygienist. Topics will include principles learned in DH101 and DH102, continuance of treating the patients with special needs. Prerequisite: DH102

DH202: Dental Hygiene IV

Credit Hours: 6.00 Clock Hours: 30/0/185

In this course students continue to practice and refine clinical skills and techniques. The lecture series within DH202 will emphasize the evidence-based process as it relates to dental hygiene theory and practice. The student will be exposed to the basic process of critical evaluation of research articles and the writing of specific components of a research project. Assignments are designed to challenge the student to develop basic research skills and techniques. Prerequisite: DH201

DH203: Periodontology

Credit Hours: 3.00 Clock Hours: 45/0/0

This course will cover periodontal anatomy, normal periodontal tissues, etiology, pathology, and clinical manifestations of periodontal disease. It will also address periodontal therapy including preventive, surgical and non-

surgical methods. Specific topics will include periodontal disease complexity, prevention of the disease, treatment, drug therapy, and osseous integration. Prerequisite: DH105

DH206: Dental Pharmacology

Credit Hours: 3.00 Clock Hours: 45/0/0

Study of pharmacology as it affects the clinical practice of dental hygiene. Emphasis will be on the drugs and drug groups most commonly used in dentistry. Oral manifestations of drugs prescribed for the dental patients will be addressed. Prerequisites: None

DH207: Dental Hygiene Seminar

Credit Hours: 2.00 Clock Hours: 30/0/0

This course is developed for second-year students to obtain new information regarding dental hygiene procedures or practice. The focus is on advanced student presentation evaluation. Special emphasis is on presentation and discussion of such topics as case histories, treatment plans, and preventive measures. Prerequisites: DH202, DH226, DH228

DH209: Nutrition

Credit Hours: 3.00 Clock Hours: 45/0/0

Basic principles of chemistry, biochemistry, and nutrition in health and disease with emphasis on the relationship between nutrition and dental caries or periodontal disease. Focus is on nutritional counseling in preventive dentistry. Prerequisites: None

DH224: Dental Public Health

Credit Hours: 3.00 Clock Hours: 45/0/0

Integration of basic dental public health procedures and dental health instruction as they apply in clinical and community settings. Topics include fluoridation, dental sealants, dental screenings, planning and operation of community health programs, and dental health promotion and education activities. Prerequisites: None

DH226: Dental Law/Ethics

Credit Hours: 2.00 Clock Hours: 30/0/0

This course covers the fundamentals of law and ethics for healthcare careers. It concentrates on workplace liabilities and legalities, the law and court system, malpractice, medical records, and informed consent bioethics. Other components of this course will be surveyed briefly throughout the semester. Prerequisites: None

DH227: Board Review

Credit Hours: 3.00 Clock Hours: 45/0/0

This course is designed to give students the necessary knowledge and practice to successfully take and pass the National Board Dental Hygiene Examination. Prerequisites: None

DH228: Oral Pathology

Credit Hours: 3.00 Clock Hours: 45/0/0

This course provides the student with practical information to aid in the diagnosis of oral injury and disease. The focus is on etiology, clinical features, treatment, and prognosis. Prerequisites: DH110, DH203

DH300: Dental Office Management

Credit Hours: 2.00 Clock Hours: 30/0/0

This course is designed to introduce students to a variety of roles within a dental practice. Techniques of other personnel and professionals, within the scope of practice will be introduced. This course enhances the ability of the

student to make judgments in a clinic/office regarding the roles of other dental team members. The student learns to step from the traditional role of hygienist into other roles as needed by the employer/dentist.

Prerequisites: None

DH301: Dental Hygiene V

Credit Hours: 5.00 Clock Hours: 30/0/150

In this course the student continues to refine clinical techniques and skills. The focus of this class is individual case studies. This class will also provide an overview of dental specialties. Upon completion of this course, the student should be deemed competent in all aspects of dental hygiene clinical care. Prerequisite: DH202

DNTA1331: Introduction to Dental Assisting and Dental Terminology

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Basic dental principles and infection control practices will be presented with a focus on an introduction to dentistry, dental assisting and dental team roles. Additionally, the course will cover basic dental science. Prerequisites: None

DNTA1333: Dental Specialties

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Dental specialties will be presented with a focus on discussion on patient populations. Additionally, the course will apply dental assisting skills with specialized patient populations and procedures. Prerequisites: None

DNTA1335: Materials and Procedures

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Dental material science and theory will be presented with a focus on common dental materials. Additionally, the course will cover application of dental assisting skills in the use of dental materials in dental procedures. Prerequisites: None

DNTA1337: Patient Care and Management

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Basic principles and ethical decision making skills and a legal overview of dentistry will be discussed and all aspects of dental care delivery in offices including business practices and communication skills. Additionally, the course will cover basic marketing skills for dental assistants. Prerequisites: None

DNTA1339: Diagnostics and Orthodontics

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Diagnostic and assessment procedures will be presented including basic pharmacology and emergency procedure principles. Additionally, the course will cover dental charting and orthodontics. Prerequisites: None

DNTA1341: Dental Radiology

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Basic radiology principles and practices will be presented with a focus on radiology theory and safety. Additionally, the course will teach exposure and mounting of radiographs. Prerequisites: None

DNTA1201: Externship I

Credit Hours: 2.50 Clock Hours: 115 (Ground Minimum 80, Online Maximum 35)

In the final phase of training, students are placed in a dental clinic setting. This cooperative effort between the school and the dentist's office gives students the opportunity to gain confidence and competence in the field while honing the skills learned in the classroom. While on externship, students are evaluated by the clinical site staff. Prerequisites: DNTA1331, DNTA1333, DNTA1335, DNTA1337, DNTA1339, DNTA1341, CPSO1011, CPSO1012, CPSO1013, CPSO1014, CPSO1015, CPSO1016.

DNTA1202: Externship II

Credit Hours: 2.50 Clock Hours: 115 (Ground Minimum 80, Online Maximum 35)

Students will continue to practice their skills in a dental clinic setting. Students will continue to build confidence and competence in the field while honing the skills learned in the classroom. While on externship, students are evaluated by the clinical site staff. Prerequisites: DNTA1331, DNTA1333, DNTA1335, DNTA1337, DNTA1339, DNTA1341, DNTA1201, CPSO1011, CPSO1012, CPSO1013, CPSO1014, CPSO1015, CPSO1016.

ENGL1310: English Composition I

Credit Hours: 3.00 Clock Hours: 45/0/0

Students will apply the principles and techniques of written, expository and persuasive composition; analysis of literary, expository and persuasive texts; and critical thinking. Prerequisites: None

HPRS1320: Foundations for Health Professions

Credit Hours: 3.00 Clock Hours: 45/0/0

In Foundations for Health Professions, students will learn how medical terminology is constructed, common suffixes and prefixes, and a summary view of the various body systems and their combining forms in preparation for more in-depth study in anatomy and physiology. They will also get an overview of various learning styles and study tactics that work best with each learning style. Prerequisites: None

HUMGRO133CR: Human Growth & Development

Credit Hours: 3.00 Clock Hours: 45/0

Course identifies/discusses all stages in the life span from infancy through late adulthood. Cultural considerations, types of families, changes affecting modern families and family patterns, and qualities of functional families are presented. Related nursing considerations to the various stages of life are included. A student who fails HUMGRO133CR will be withdrawn from the co-requisite course. Prerequisites: MED-SURG121CR, NUT122CR, VN123CR, VN124CR, VN125CR; Co-requisite: VN136CR

MATH110CR: College Mathematics

Credit Hours: 3.00 Clock Hours: 45/0

This course covers principles and applications of whole numbers, fractions, decimals, percents, ratio, proportions, measurements, statistics, basic algebra, and geometry. The metric system, the apothecary system, and conversion between systems are presented. Allied health applications are discussed. A student who fails MATH110CR will be withdrawn from the co-requisite course. Prerequisites: None; Co-requisite: VN103CR

MATH1310: Contemporary Mathematics

Credit Hours: 3.00 Clock Hours: 45/0/0

In this course, students will learn the theory and application of number sets, logic, numeration systems, number theory and sequencing, equations-inequalities and problem solving, functions and graphs, abstract mathematical systems, probability, and statistics. Prerequisites: None

MATH1320: College Algebra

Credit Hours: 3.00 Clock Hours: 45/0/0

Students study quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. Prerequisites: None

MDCA1201: Externship I

Credit Hours: 2.50 Clock Hours: 115 (Theory 35, Externship 80) (Ground 80, Online 35)

Students in this course will perform clinical and administrative medical assistant functions in a healthcare facility. Students will be supervised and evaluated on skills acquired in the program content courses. Students may perform phlebotomy, injections, patient record maintenance, vital sign measurement, patient exam preparation, and/or other medical assistant duties as assigned by the physician, on-site supervisor, or externship coordinator. Prerequisites: MDCA1312, MDCA1322, MDCA1332, MDCA1342, MDCA1352, MDCA1362, CPSO1001, CPSO1002, CPSO1003, CPSO1004, CPSO1005, CPSO1006

MDCA1202: Externship II

Credit Hours: 2.50 Clock Hours: 115 (Theory 35, Externship 80) (Ground 80, Online 35)

Students in this course will develop a more thorough understanding of the role of a medical assistant in a healthcare facility. Clinical and administrative medical assistant functions are expected to be performed with greater skill, professionalism and understanding. Students will continue to be supervised and evaluated on skills acquired in the program content courses and should have a better awareness of why, how, and when the skills are performed. Students may perform phlebotomy, injections, patient record maintenance, vital sign measurement, patient exam preparation, and/or other medical assistant duties as assigned by the physician, on-site supervisor, or externship coordinator. Prerequisites: MDCA1312, MDCA1322, MDCA1332, MDCA1342, MDCA1352, MDCA1362, MDCA1201, CPSO1001, CPSO1002, CPSO1003, CPSO1004, CPSO1005, CPSO1006

MDCA1312: Medical Assisting A

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills including scheduling appointments. They will learn medical terms, anatomy & physiology, and common diseases and disorders of the skeletal, integumentary and muscular body systems. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. They will learn first aid, rehabilitative procedures, the role of the medical assistant in the health community, and team member responsibilities. Prerequisites: None

MDCA1322: Medical Assisting B

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills. They will learn medical terms, anatomy & physiology, and common diseases and disorders of the nervous, senses and respiratory body systems. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. Prerequisites: None

MDCA1332: Medical Assisting C

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills. They will learn medical terms, anatomy & physiology, and common diseases and disorders of the urinary, reproductive and digestive body systems. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. Prerequisites: None

MDCA1342: Medical Assisting D

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills. They will learn medical terms, anatomy & physiology, and common diseases and disorders of the endocrine, immune/lymphatic, and circulatory/cardiovascular body systems. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. Prerequisites: None

MDCA1352: Medical Assisting E

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills. Students learn about the clinical laboratory and the associated safety and regulatory guidelines. They explore basic microbiology and hematology and practice using a microscope. They learn the proper procedures for collecting, processing, and testing urine specimens. Students perform venipuncture and capillary puncture. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. Prerequisites: None

MDCA1362: Medical Assisting F

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students in this course will practice various administrative skills. Students perform intradermal, subcutaneous, and intramuscular injections, calculate medication dosages, and administer medication. They will practice keyboarding, apply positive communication skills, practice diagnostic procedures and perform vital sign procedures. Prerequisites: None

MED-SURG121CR: Introduction to Medical-Surgical Nursing

Credit Hours: 2.50 Clock Hours: 40/0

This course introduces the student to head-to-toe client data gathering, care of the pre- and post-operative client, and care of clients with self-care deficits. Asepsis, elements of the infectious process, causes of disease, basic intravenous (IV), practicum (site rate, solution identification), and the body's normal defenses are discussed. Students learn to incorporate the nursing process in the care of pre- and post-operative clients and those with self-care deficits. A student who fails MED-SURG121CR will be withdrawn from the co-requisite course. Prerequisites: VN101CR, VN102CR, VN103CR, MATH110CR, AP110CR, PHARM110CR; Co-requisite: VN125CR

NUT122CR: Nutrition

Credit Hours: 3.00 Clock Hours: 45/0

This course covers the functions and food sources of proteins, carbohydrates, and fats, and identifies current recommendations for intake of each. A discussion is included on the changes in nutrient needs throughout the life cycle and suggestions to ensure adequate nutrition during each stage of life. Students are introduced to standard diets and modifications of diets for disease processes. A student who fails NUT122CR will be withdrawn from the co-requisite course. Prerequisites: VN101CR, VN102CR, VN103CR, MATH110CR, AP110CR, PHARM110CR; Co-requisite: VN125CR

PHARM110CR: Pharmacology

Credit Hours: 3.00 Clock Hours: 45/0

This course focuses on dosages, applications, side effects, toxicity, and laboratory tests performed to monitor actions and effects of specific drugs. Issues involved with IV (Intravenous) monitoring will be covered. Drug calculation examinations must be passed with a score of 85%. A student who fails PHARM110CR will be withdrawn from the co-requisite course. Prerequisite: MATH110CR; Co-requisite: VN103CR

PHIL1310: Critical Thinking

Credit Hours: 3.00 Clock Hours: 45/0/0

Students will learn how to enhance and refine both their cognitive and affective performance. The course will analyze the role of the learner and the purpose of education. It will assist students in developing the systematic information processing, critical thinking, reading and study strategies needed for success as lifelong learners. Prerequisites: None

POFM1201: Externship I

Credit Hours: 2.50 Clock Hours: 115 (Ground Minimum 80, Online Maximum 35)

This course is an integral part of the learning experience for the student. Each student is assigned to work in a medical facility in order to gain everyday practical and clinical experience in the duties and functions of a medical office employee and to apply the student's educational training in a work environment. Prerequisites: POFM1312, POFM1322, POFM1332, POFM1342, POFM1352, POFM1362, CPSO1011, CPSO1012, CPSO1013, CPSO1014, CPSO1015, CPSO1016

POFM1202: Externship II

Credit Hours: 2.50 Clock Hours: 115 (Ground Minimum 80, Online Maximum 35)

This course presents students with the opportunity to continue building practical experience in a healthcare work environment. Students will build confidence, skill and competence in the field while honing the skills learned in the classroom. Prerequisites: POFM1201, POFM1312, POFM1322, POFM1332, POFM1342, POFM1352, POFM1362, CPSO1011, CPSO1012, CPSO1013, CPSO1014, CPSO1015, CPSO1016

POFM1311: Medical Office Procedures

Credit Hours: 3.00 Clock Hours: 40/40/0

Students acquire clerical and administrative skills typically expected in a medical office. This course includes discussions and activities in telecommunications, medical records management, mail processing, and general office equipment. Students practice keyboarding to gain accuracy and speed and learn medical terminology. Prerequisites: None

POFM1312: Medical Office Procedures

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students acquire clerical and administrative skills typically expected in a medical office. This course includes discussions and activities in telecommunications, medical record management, mail processing and general office equipment. Students practice keyboarding to gain accuracy and speed and learn medical terminology.

POFM1321: Computer Applications

Credit Hours: 3.00 Clock Hours: 40/40/0

Students explore and practice the Microsoft Office® applications Word, Excel, and Outlook. Basic-level functions are covered for students to create typical documents used in medical practice. Students practice keyboarding to gain accuracy and speed and learn medical terminology. Prerequisites: None

POFM1322: Computer Applications

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students explore and practice the Microsoft Office® applications—Word, Excel and Outlook. Basic-level functions are covered for students to create typical documents used in medical practice. Students practice keyboarding to gain accuracy and speed and learn medical terminology.

POFM1331: Medical Terminology & Communications

Credit Hours: 3.00 Clock Hours: 40/40/0

Students practice appropriate written and verbal forms of professional communication, such as letter forms, grammar, punctuation, and spelling. Students practice keyboarding to gain accuracy and speed and gain proficiency in medical terminology. Students are exposed to basic business mathematic concepts used in the office environment. Prerequisites: None

POFM1332: Medical Insurance Coding I

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

This course provides a detailed approach to the accurate use of The Physician's Current Procedural Terminology (CPT) and for procedural coding of insurance claims. Activities in the Healthcare Procedure Coding System (HCPCS) are also addressed.

POFM1341: Medical Insurance Claims Processing

Credit Hours: 3.00 Clock Hours: 40/40/0

This course provides the fundamental knowledge and skills required in completing the Universal Health Insurance Claim Form for a variety of insurance carriers. This course includes discussions and activities in the processing of claims for commercial carriers, managed care plans, and government programs such as Medicare, Medicaid, CHAMPUS/CHAMPVA, Worker's Compensation, and Disability. Prerequisites: None

POFM1342: Medical Insurance Coding II

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

This course provides a detailed approach to the accurate use of the International Classification of Diseases (ICD-10-CM) used for diagnosis coding. This course includes discussions on the correct and ethical coding of insurance claims.

POFM1351: Medical Insurance Coding

Credit Hours: 3.00 Clock Hours: 40/40/0

This course provides a detailed approach to the accurate use of The Physician's Current Procedural Terminology (CPT) for procedural coding of insurance claims. Information on the International Classification of Diseases (ICD-10-CM) used for diagnoses coding, and activities in the Healthcare Procedure Coding System (HCPCS) are also addressed. This course includes discussions on the correct and ethical coding of insurance claims.

Prerequisites: None

POFM1352: Medical Insurance Claims Processing

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

This course provides the fundamental knowledge and skills required in completing the Universal Health Insurance Claim Form for a variety of insurance carriers. This course includes discussions and activities in the processing of claims for commercial carriers, managed care plans, and government programs such as Medicare, Medicaid, CHAMPUS/CHAMPVA Worker's Compensation and Disability.

POFM1361: Medical Office Applications

Credit Hours: 3.00 Clock Hours: 40/40/0

Students learn and practice accounts receivable and accounts payable activities using a computerized management system in a series of simulated daily office activities. They practice electronic medical record management and application of HIPAA regulations and gain proficiency in medical terminology. Prerequisites: None

POFM1362: Medical Office Applications

Credit Hours: 3.00 Clock Hours: 80 (Theory 40, Lab 40) (Ground 40, Online 40)

Students learn and practice accounts receivable and accounts payable activities using a computerized management system in a series of simulated daily office activities. They practice electronic medical record management and application of HIPAA regulations and gain proficiency in medical terminology.

PSYC1310: General Psychology

Credit Hours: 3.00 Clock Hours: 45/0/0

This course provides a general overview of the field of psychology. The scientific nature of psychology and the sociohistorical evolution of the field are reviewed. Students will study the themes and theories related to understanding human behavior. Students will be able to use the skills and knowledge gained in this course in their future classes, the work place, and in their personal relationships. This course will provide a better understanding of human learning and behavior which will lead to success in future classes. Prerequisites: None

PSYC1320: Human Growth & Development

Credit Hours: 3.00 Clock Hours: 45/0/0

This course identifies and discusses all stages in the life span from infancy through late adulthood. A discussion of cultural considerations, types of families, changes affecting modern families and family patterns, and qualities of functional families will be included. Prerequisites: None

PTAP1201: Functional & Applied Anatomy Lab

Credit Hours: 2.00 Clock Hours: 0/60/0

This laboratory course provides hands-on experience complementing the didactic material presented in PTAP1400. Emphasis is on development of

competency in data collection skills relevant to the musculoskeletal system.
Prerequisites: PTAP1300, BIOL1310, BIOL1320; Co-requisite: PTAP1400

PTAP1210: Patient Care Skills

Credit Hours: 2.00 Clock Hours: 30/0/0

This course covers foundational patient care skills: communication, safety considerations, implementation of plan of care, chart review, patient positioning and monitoring, mobility skills, massage, and documentation. CPR training and certification are also completed in this course. Prerequisite: PTAP1300; Co-requisite: PTAP1211

PTAP1211: Patient Care Skills Lab

Credit Hours: 2.00 Clock Hours: 0/60/0

This laboratory course provides hands-on experience complementing the didactic material presented in PTAP1210. This course covers foundational patient care skills: communication, safety considerations, implementation of the plan of care, chart review, patient positioning and monitoring, mobility skills and documentation. Practical application of basic patient care skills and data collection is emphasized. Prerequisite: PTAP1300; Co-requisite: PTAP1210

PTAP1221: Musculoskeletal Rehabilitation Lab

Credit Hours: 2.00 Clock Hours: 0/60/0

This course accompanies PTAP1320 and covers practical application and instruction of interventions and exercise in musculoskeletal rehabilitation. Demonstration of competency in exercise instruction and technique is emphasized. Implementation of the physical therapy plan of care for a patient with musculoskeletal disorders is covered. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1400; Co-requisite: PTAP1320

PTAP1240: Modalities

Credit Hours: 2.00 Clock Hours: 30/0/0

This course presents the therapeutic modalities and physical agents that are used in physical therapy practice. Physiological effects, patient preparation, treatment parameters, indications, precautions and contraindications will be discussed. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1400; Co-requisite: PTAP1241

PTAP1241: Modalities Lab

Credit Hours: 1.50 Clock Hours: 0/45/0

This course presents therapeutic modalities and physical agents commonly used in physical therapy practice. Instruction in safe application and demonstration of competency is emphasized. Application of modalities and agents as part of the physical therapy plan of care is covered. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1400; Co-requisite: PTAP1240

PTAP1300: Introduction to Physical Therapy

Credit Hours: 3.00 Clock Hours: 45/0/0

This course provides a basic introduction to the field of Physical Therapy. Course content includes an introduction to the physical therapy profession and its national organization, physical therapy practice description, appropriate clinical behavior, communication, and ethical and legal issues in the field. Instruction regarding health care team members, medical terminology and study skills are also included in this class. Prerequisites: None

PTAP1320: Musculoskeletal Rehabilitation

Credit Hours: 3.00 Clock Hours: 45/0/0

This course presents interventions in the management of patients with common musculoskeletal dysfunctions and role of the physical therapist

assistant in implementation of the plan of care. Exercise principles, technique and instruction are covered. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1400; Co-requisite: PTAP1221

PTAP1350: Pathology for the Physical Therapist Assistant

Credit Hours: 3.00 Clock Hours: 45/0/0

This course presents the etiology, pathophysiology, incidence, signs and symptoms, diagnoses, prognosis, medical, pharmacological and physical therapy treatment of diseases commonly seen in physical therapy. Implications for treatment by the physical therapist assistant are emphasized. This course explores current concepts related to wellness and prevention and the physical therapist assistant's role in wellness. Prerequisites: None

PTAP1400: Functional & Applied Anatomy

Credit Hours: 4.00 Clock Hours: 60/0/0

This course expands upon previous knowledge of musculoskeletal anatomy. Content areas include applied movement concepts and data collection relevant to the role of the physical therapist assistant. Prerequisites: PTAP1300, BIOL1310, BIOL1320; Co-requisite: PTAP1201

PTAP2121: Cardiopulmonary Rehabilitation Lab

Credit Hours: 1.00 Clock Hours: 0/30/0

This course accompanies PTAP2220 and covers practical application and instruction of cardiopulmonary rehabilitation techniques and demonstration of competency. Implementation of the cardiopulmonary plan of care is included. Prerequisites: PTAP2201, PTAP2400; Co-requisite: PTAP2220

PTAP2131: Rehabilitation for Specialized Disorders Lab

Credit Hours: 1.00 Clock Hours: 0/30/0

This course explores the role of the physical therapist assistant in implementation of the plan of care for patient individuals with specialized disorders and complements the lecture course. Practical application of data collection and interventions associated with discussed disorders. Demonstration of competency and implementation of plan of care is emphasized. Prerequisites: PTAP2121, PTAP2220, PTAP2525; Co-requisite: PTAP2230

PTAP2201: Neuromuscular Rehabilitation Lab

Credit Hours: 2.50 Clock Hours: 0/75/0

This course accompanies PTAP2400 and covers practical application and instruction of neuromuscular rehabilitation techniques and demonstration of competency. Implementation of the neurologic plan of care is included. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1350, PTAP1400; Co-requisite: PTAP2400

PTAP2210: Rehabilitation Through the Lifespan

Credit Hours: 2.00 Clock Hours: 30/0/0

Rehabilitation of individuals throughout the lifespan is discussed: special considerations in the pediatric and geriatric populations. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1350, PTAP1400, PSYC1320

PTAP2220: Cardiopulmonary Rehabilitation

Credit Hours: 2.00 Clock Hours: 30/0/0

Exploration of the role of the physical therapist assistant in care of patient with cardiovascular and pulmonary disorders in implementing the plan of care. Prerequisites: PTAP2201, PTAP2400; Co-requisite: PTAP2121

PTAP2230: Rehabilitation for Specialized Disorders

Credit Hours: 2.00 Clock Hours: 30/0/0

This course explores the role of the physical therapist assistant in implementation of the plan of care for patient individuals with specialized disorders. Prerequisites: PTAP2121, PTAP2220, PTAP2525; Co-requisite: PTAP2131

PTAP2340: Special Topics for the Physical Therapist Assistant

Credit Hours: 3.00 Clock Hours: 45/0/0

This course covers administrative issues and career development as well as current topics in physical therapy. Clinical experiences and presentation of case histories are completed. The course is designed to meet the needs of the student in regional considerations. Topics may vary from offering to offering. Prerequisites: PTAP2131, PTAP2230, PTAP2535

PTAP2400: Neuromuscular Rehabilitation

Credit Hours: 4.00 Clock Hours: 60/0/0

This course covers the role of the physical therapist assistant (PTA) in the management of patients with common neurological dysfunctions. The student will learn theoretical principles and how to integrate them in treatment. Prerequisites: PTAP1201, PTAP1210, PTAP1211, PTAP1350, PTAP1400; Co-requisite: PTAP2201

PTAP2525: Clinical Experience I

Credit Hours: 5.00 Clock Hours: 0/0/240

This full-time, six week, clinical affiliation will provide the student with initial exposure to the clinical setting. The PTA student will be under the direct supervision of a PT and/or PTA. This clinical affiliation allows students to practice patient care skills, document treatment techniques and enhance communication skills with all health care team members. Prerequisites: PTAP1221, PTAP1240, PTAP1241, PTAP1320, PTAP2201, PTAP2210, PTAP2400

PTAP2535: Clinical Experience II

Credit Hours: 5.00 Clock Hours: 0/0/240

This full-time, six week, clinical affiliation, will allow students to expand upon their previous clinical experience and incorporate the knowledge and skills from additional coursework. The student will be under the direct supervision of a PT and/or PTA. Emphasis is placed on the student assuming a more active role with the rehabilitation team for the delivery of care. Prerequisites: PTAP2121, PTAP2220, PTAP2525

PTAP2545: Clinical Experience III

Credit Hours: 5.00 Clock Hours: 0/0/240

At the completion of this full-time, six week, clinical affiliation, the student goal will be to perform as an entry-level physical therapist assistant. Students participate in this clinical experience under the supervision of a licensed physical therapist and/or physical therapist assistant. Prerequisites: PTAP2131, PTAP2230, PTAP2535

RT210: Introduction to & Applied Respiratory Therapeutics

Credit Hours: 12.00 Clock Hours: 180/60/0

Students learn applicable medical terminology and the metric conversions used in respiratory therapy. They learn applied anatomy, physiology, and mechanics of the pulmonary system and the relationship between respiration and cardiac function. Students learn to recognize normal and abnormal arterial blood gas results. They learn the principles of gas physics and their application to oxygen, aerosol, and humidity therapies. Students begin the process of professional development and learn self-esteem and motivational skills necessary to become employed. Students learn the conditions that indicate the need for oxygen therapy. They explore the

potential hazards associated with oxygen therapy, study the different oxygen delivery devices, and learn how to assemble and test equipment. They practice setting up oxygen, aerosol, and humidity therapies. They are introduced to the various pharmacological agents used in respiratory therapy and their biochemical properties. Students learn the indications for and the potential hazards of IPPB and incentive spirometry therapies. Students have the opportunity to practice procedures for the administration of these therapies to patients in a laboratory setting. Students learn to perform cardiopulmonary resuscitation (CPR) and chest auscultation and to administer metered dose inhalation therapy. Professional development will continue, including ethics. Prerequisites: General Education courses respective to each program must be successfully completed.

RT220: Clinical Medicine I

Credit Hours: 10.00 Clock Hours: 30/30/315

Students learn to perform patient assessments, including assessing the need for secretion removal and how to perform the appropriate procedures. Students examine the etiology of respiratory disease, learn to identify common pathogenic organisms, and explore various isolations and sterilization techniques. They learn to maintain and manage an artificial airway and will explore the physiology of blood gases and the techniques for analyzing arterial blood gas samples. A large portion of this course is spent in a clinical externship practicing the skills related to what has been learned to identify, perform, and assess the results of various diagnostic pulmonary function tests. Prerequisite: RT210

RT230: Clinical Medicine II

Credit Hours: 10.00 Clock Hours: 30/30/315

Students examine the pathologies of the cardiopulmonary symptoms and recognize the manifestations and systems of restrictive and obstructive pulmonary disease. Students study the various types of mechanical ventilators to identify the modalities of continuous mechanical ventilation. They learn how to set up ventilators and monitor a ventilator patient. Students learn how to apply PEEP/CPAP and intermittent mandatory ventilation. They learn the special considerations for continuous mechanical ventilation and long-term life support. They learn the advanced techniques and proper maintenance procedures associated with continuous mechanical ventilation, as well as the indications for and techniques applicable to, the discontinuation of ventilation. They learn to recognize the various pulmonary disease states associated with ventilator patients and how to evaluate the patient's status and response to therapy. A large portion of this course is spent in a clinical externship practicing the skills related to what has been learned in the classroom and laboratory. Prerequisite: RT220

RT240: Clinical Specialty Areas/Comprehensive Review

Credit Hours: 10.00 Clock Hours: 75/30/180

Students learn anatomy, physiology, and respiratory care considerations of the pediatric and neonatal patient. They learn to identify/administer the pharmacological agents used in critical care and explore the goals and objectives of pulmonary rehabilitation and patient education. Students work on case studies related to these topics. A large portion of this course is spent in a clinical externship practicing the skills related to what has been learned in the classroom and laboratory. Prerequisite: RT230

RT250: Advanced Clinical Practice

Credit Hours: 10.00 Clock Hours: 100/40/90

This course offers a comprehensive overview of the math used for respiratory therapy calculations and provides an opportunity for the student to learn advanced skills related to respiratory patient care. The course offers a comprehensive study of current standardized pulmonary function

modalities and the interpretation of test data. It also includes a comprehensive review of critical thinking skills and therapist-driven protocols as applied to the successful completion of the certification examinations offered by the National Board for Respiratory Care (NBRC).
Prerequisite: RT240

SOCI1310: Introduction to Sociology

Credit Hours: 3.00 Clock Hours: 45/0/0

This course is a general introduction to the study of sociology, which is the systematic study of human society and the social forces that shape human social life. The goal of this course is to provide students with an overview of how sociology helps us understand human societies, human relationships, group aspects of behavior, and social institutions. Prerequisites: None

SURG1110: Surgical Technology Lab I

Credit Hours: 1.00 Clock Hours: 0/40/0

This laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles outlined in SURG1310: Surgical Technology Theory I. Perioperative applied skills performed in the assistant circulator role are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Co-requisite: SURG1310

SURG1120: Surgical Technology Lab II

Credit Hours: 1.00 Clock Hours: 0/40/0

This laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles outlined in SURG1320: Surgical Technology Theory II. Perioperative applied skills performed in the scrub role are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Patient vital signs and microscope use are also included. Prerequisites: SURG1110, SURG1310; Co-requisite: SURG1320

SURG1130: Surgical Technology Lab III

Credit Hours: 1.00 Clock Hours: 0/40/0

This laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles outlined in SURG1330: Surgical Technology Theory III. Perioperative applied skills performed in the scrub role are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Handling, passing, and assembly of specialty surgical instrumentation, equipment, and supplies is included. Prerequisites: SURG1140, SURG1340; Co-requisite: SURG1330

SURG1140: Surgical Technology Lab IV

Credit Hours: 1.00 Clock Hours: 0/40/0

This laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles outlined in SURG1340: Surgical Technology Theory IV. Perioperative applied skills performed in the scrub role are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Intraoperative and postoperative case management skills are further emphasized. Prerequisites: SURG1120, SURG1320; Co-requisite: SURG1340

SURG1150: Surgical Technology Lab V

Credit Hours: 1.00 Clock Hours: 0/40/0

This laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles within the mock surgery setting. Perioperative applied skills performed in the scrub

and circulating roles are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Mock surgery scenarios incorporate all skills acquired in previous laboratory courses in order to prepare the student for clinical experiences and surgical rotations.
Prerequisites: SURG1140, SURG1340; Co-requisite: SURG1350

SURG1160: Surgical Technology Lab VI

Credit Hours: 1.00 Clock Hours: 0/40/0

This capstone laboratory course is designed to provide for the practical application of theoretical concepts, patient safety standards, and aseptic principles within the mock surgery setting. Perioperative applied skills performed in the scrub and circulating roles are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Mock surgery scenarios incorporate all skills acquired in previous laboratory courses in order to prepare the student for clinical experiences and surgical rotations. Prerequisites: SURG1150, SURG1350; Co-requisite: SURG1360

SURG1230: Surgical Technology Lab I

Credit Hours: 2.5 Clock Hours: 0/80/0

This laboratory course provides the practical application of theoretical concepts, patient safety standards, and aseptic principles in alignment with SURGXXXX. Perioperative applied skills performed in the assistant circulator role and the scrub role are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320. Corequisite: SURG1630

SURG1310: Surgical Technology Theory I

Credit Hours: 3.00 Clock Hours: 60/0/0

This course is designed to provide a comprehensive introduction into the field of surgical technology and survey basic perioperative surgical concepts. Major subjects covered include professionalism and employability, OR organization and administration, the surgical technologist's roles and responsibilities, risk management, and basic circulating skills. Modern ethics, law and morality in healthcare, fundamentals of OR pharmacology, and anesthesia concepts are also surveyed. Preoperative case management concepts in the circulating role include patient transfer and transport, urinary catheterization, patient positioning, and skin preparation. Related medical/surgical terminology is integrated throughout the course. Co-requisite: SURG1110

SURG1320: Surgical Technology Theory II

Credit Hours: 3.00 Clock Hours: 60/0/0

This course will survey fundamentals of microbiology, intro to laboratory equipment (i.e., microscopes), the infectious process, and infection control concepts. Perioperative theory includes fundamentals of aseptic technique; medical versus surgical asepsis; sterilization, disinfection, and antisepsis; environmental controls and personnel practices; scrubbing, gowning, and gloving for surgery; draping; and establishing the sterile field. Safety, OSHA regulations, and Standard Precautions are also surveyed. Related medical/surgical terminology is integrated throughout the course. Prerequisites: SURG1110, SURG1310; Co-requisite: SURG1120

SURG1330: Surgical Technology Theory III

Credit Hours: 3.00 Clock Hours: 60/0/0

This course is designed to provide a comprehensive overview of basic and specialty surgical instrumentation, equipment, and supplies. Topics include surgical instrument uses and classifications, equipment identification and function, and specialty supply handling, preparation, and usage. Related

medical/surgical terminology is integrated throughout the course.

Prerequisites: SURG1140, SURG1340; Co-requisite: SURG1130

SURG1340: Surgical Technology Theory IV

Credit Hours: 3.00 Clock Hours: 60/0/0

This course will survey surgical case management concepts, including wound types and healing, surgical sutures and needles, wound closure techniques and devices, dressings and drainage devices, fundamentals of surgical pathophysiology, and postoperative patient care. Critical thinking skills within the operative environment are discussed in the context of surgical anticipation, emergency management, and All-hazards Preparation. Related medical/surgical terminology is integrated throughout the course.

Prerequisites: SURG1120, SURG1320; Co-requisite: SURG1140

SURG1350: Surgical Procedures I

Credit Hours: 3.00 Clock Hours: 60/0/0

This course will introduce students to surgery and primary surgical procedures within basic specialties, including general, obstetric & gynecologic, ophthalmic, otorhinolaryngologic, oral & maxillofacial surgery, and diagnostic procedures. Related medical/surgical terminology, anatomy, physiology, and pathophysiology are integrated throughout the course.

Prerequisites: SURG1140, SURG1340; Co-requisite: SURG1150

SURG1360: Surgical Procedures II

Credit Hours: 3.00 Clock Hours: 60/0/0

This course will introduce students to surgery and primary surgical procedures within basic specialties, including plastic & reconstructive, genitourinary, orthopedic, cardiothoracic, peripheral vascular, and neurosurgery. Related medical/surgical terminology, anatomy, physiology, and pathophysiology are integrated throughout the course. Prerequisites: SURG1150, SURG1350; Co-requisite: SURG1160

SURG1630: Surgical Technology Theory I

Credit Hours: 6.5 Clock Hours: 120/0/0

This course provides a comprehensive introduction into the field of surgical technology and perioperative theory and concepts. Major topics include the surgical technologist's roles and responsibilities, law and ethics in healthcare, safety and standard precautions, and preoperative case management. Perioperative theory and concepts include patient care, fundamentals of aseptic technique, environmental controls, and personnel practices. Related medical/surgical terminology is integrated throughout the course.

Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320. Corequisite: SURG1231

SURG2150: Surgical Technology Clinical Review I

Credit Hours: 1.50 Clock Hours: 30/0/0

This is the first of two courses designed to provide the student with a review of all didactic, laboratory, and clinical knowledge necessary to prepare for success on the Certified Surgical Technologist (CST) examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Reviews will be conducted in several forms, including test skills preparation, anatomy & physiology, pharmacology, sterilization concepts, and surgical procedures review. Prerequisites: SURG1160, SURG1360

SURG2160: Surgical Technology Clinical Review I

Credit Hours: 1.5 Clock Hours: 30/0/0

This is the first of two courses designed to provide the student with a review of all didactic, laboratory, and clinical knowledge necessary to prepare for success on the Certified Surgical Technologist (CST) examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Reviews will be conducted in several forms, including test skills preparation, anatomy & physiology, pharmacology, sterilization concepts, and surgical procedures review. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240; SURG2650; SURG2250; Corequisite: SURG2760

SURG2240: Surgical Technology Lab II

Credit Hours: 2.5 Clock Hours: 0/80/0

This laboratory course provides practical application of theoretical concepts, patient safety standards, and aseptic principles in alignment with SURGXXXX. Handling, passing, and assembly of specialty surgical instrumentation, equipment, and supplies is included. Intraoperative and postoperative case management skills are further emphasized. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630 Corequisite: SURG2640

SURG2250: Surgical Technology Lab III

Credit Hours: 2.5 Clock Hours: 0/80/0

This laboratory course provides practical application of theoretical concepts, patient safety standards, and aseptic principles within the mock surgery setting. Perioperative applied skills performed in the scrub and circulating roles are highlighted with an emphasis on industry best practices and the application of critical thinking skills. Mock surgery scenarios incorporate all skills acquired in previous laboratory courses in order to prepare the student for clinical experiences and surgical rotations. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240 Corequisite: SURG2650

SURG2460: Surgical Technology Clinical Review II

Credit Hours: 4.00 Clock Hours: 80/0/0

This is the second of two courses designed to provide the student with a review of all didactic, laboratory, and clinical knowledge necessary to prepare for success on the Certified Surgical Technologist (CST) examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Reviews will be conducted in several forms, including test skills preparation, anatomy & physiology, pharmacology, sterilization concepts, and surgical procedures review. Prerequisite: SURG2150

SURG2470: Surgical Technology Clinical Review II

Credit Hours: 4.0 Clock Hours: 80/0/0

This is the second of two courses designed to provide the student with a review of all didactic, laboratory, and clinical knowledge necessary to prepare for success on the Certified Surgical Technologist (CST) examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Reviews will be conducted in several forms, including test skills preparation, anatomy & physiology, pharmacology, sterilization concepts, and surgical procedures review. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240; SURG2650; SURG2250; SURG2760; SURG2160 Corequisite: SURG2570

SURG2560: Surgical Technology Clinical II

Credit Hours: 5.00 Clock Hours: 0/0/240

This clinical experience will provide progressive exposure to and experience with diverse surgical procedures of elementary, intermediate, and advanced

complexity performed in relation to the practice of surgical technology in multiple specialties within the clinical setting. Prerequisites: SURG2150, SURG2850

SURG2570: Surgical Technology Clinical II

Credit Hours: 5.5 Clock Hours: 0/0/256

In this clinical experience students will gain progressive exposure to and experience with diverse surgical procedures of varying complexity performed in relation to the practice of surgical technology in multiple specialties within the clinical setting. Students will apply critical thinking and surgical problem solving techniques to anticipate the needs of the surgical team as well as the patient. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240; SURG2650; SURG2250; SURG2760; SURG2160 Corequisite: SURG2470

SURG2640: Surgical Technology Theory II

Credit Hours: 6.5 Clock Hours: 120/0/0

This course provides a comprehensive overview of surgical instrumentation, equipment, and supplies and will survey case management concepts. Topics include basic and specialty surgical instrument uses and classifications, wound types and healing, fundamentals of surgical pathophysiology, and postoperative patient care. Critical thinking skills within the operative environment are discussed in the context of surgical anticipation, emergency management, and all-hazards preparation. Related medical/surgical terminology is integrated throughout the course. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630 Corequisite: SURG2240

SURG2650: Surgical Technology Procedures

Credit Hours: 6.5 Clock Hours: 120/0/0

This course will introduce students to surgery and primary surgical procedures within basic specialties including general, obstetric & gynecologic, ophthalmic, otorhinolaryngologic, oral and maxillofacial surgery, plastic and reconstructive, genitourinary, orthopedic, cardiothoracic, peripheral vascular, neurosurgery, and diagnostic procedures. Related medical/surgical terminology, anatomy, physiology, and pathophysiology are integrated throughout the course. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240 Corequisite: SURG2250

SURG2760: Surgical Technology Clinical I

Credit Hours: 7.0 Clock Hours: 0/0/320

In this clinical experience students will gain progressive exposure to and experience with diverse surgical procedures of varying complexity performed in relation to the practice of surgical technology in multiple specialties within the clinical setting. Students will apply critical thinking and surgical problem solving techniques in the field. Prerequisite: BIOL1111, BIOL1121, BIOL1310, BIOL1320; SURG1231; SURG1630; SURG2640; SURG2240; SURG2650; SURG2250 Corequisite: SURG2160

SURG2850: Surgical Technology Clinical I

Credit Hours: 8.00 Clock Hours: 0/0/360

This clinical experience will provide progressive exposure to and experience with diverse surgical procedures of elementary, intermediate, and advanced complexity performed in relation to the practice of surgical technology in multiple specialties within the clinical setting. Prerequisites: SURG1160, SURG1360.