Course Description – General Education

ENG 115 English Composition I
This course provides instruction and practice in expository writing and emphasizes grammatical and mechanical accuracy and proper essay form. Emphasis is placed on clarity, logical organization, unity, and coherence of central idea and supporting material.

LIT 118 Literature
This course concentrates on the major writers of Modern Literature. Historical background and social forces, which shape literature, are emphasized.

IDS 130 Strategies for Success
Drawing on learning and cognitive theory, this course teaches persistence and high achievement skills to enable students to establish foundations upon which to build in college and later in the business world. Central to the philosophy of the course is the concept that individuals are responsible for their own actions and can regulate their own behavior through goal-setting, self-reflections, and self-evaluation not only in an academic environment, but also in the corporate world.

BSC 250 – Anatomy & Physiology: Cell Structure and Function
Students will study the basic cell structure within the human body and their functions as it relates to health and science. Topics covered include basic physiology cell to organ system, integumentary system, skeletal system, muscular system, nervous system and sensory system.

BSC 260 – Anatomy & Physiology: Body Systems
This course introduces the principles of classification and briefly surveys the five kingdoms of living organisms. Students will study the maintenance of the body system. Topics such as blood, heart and blood vessels, Lymphatic System, Respiratory System, Digestive System, urinary System, Reproductive System, plus pregnancy, prenatal development and Genetics.

CGS 200 – Intro to Computers
This course is an introduction to the fundamentals of operating personal computer equipment including the basics of word processing, database management, electronic spreadsheets and presentation graphics. Experience with computers and selected software is stressed.

SPC 240 – Speech
This course is designed to develop the students’ ability to communicate effectively. Emphasis is placed upon the basic elements of communication in order to strengthen the students’ interpersonal and professional speaking skills.
Course Descriptions – Cosmetology

COS401 Fundamentals I
Fundamentals I orients the student to the field of cosmetology. It examines the history and available opportunities. Life skills, professional image, and communicating for success are taught in this course.
Lecture 15 hours; Laboratory 60 hours

COS402 Fundamentals II
This course is designed to introduce students to the principles and practices of infection control. Students are taught general anatomy and physiology of the human body. Basic electricity is taught in Fundamentals II.
Lecture 20 hours; Laboratory 55 hours

COS411 Cosmetology I
This course is designed to provide students with knowledge of basic chemistry. Properties of the hair and scalp, scalp care, shampooing and conditioning are taught in this course.
Lecture 20 hours; Laboratory 20 hours; Clinical 40 hours

COS412 Cosmetology II
This course is designed to build an understanding of the principles of hair design. Students will be instructed on the techniques of hairstyling, braiding and braid extensions, wigs and hair additions.
Lecture 15 hours; Laboratory 25 hours; Clinical 110 hours

COS413 Cosmetology III
This course is designed to provide instruction and skills in the principles and practices of haircutting. Students will learn how to choose and use the right tools and go beyond the basic haircutting techniques; as well as safety in haircutting.
Lecture 15 hours; Laboratory 25 hours; Clinical 160 hours

COS414 Cosmetology IV
This course provides instruction and skills in the principles and practices of chemical texture services. Students will have a thorough understanding of chemical texture services and the changes in the structure of hair during permanent waving, chemical hair relaxing, and curl re-forming.
Lecture 15 hours; Laboratory 25 hours; Clinical 135 hours

COS415 Cosmetology V
This course is designed to provide instruction and skills in the principles and practices of hair coloring. Hair structure, natural tones, color theory, types of haircolor, consultation, formulation and application will be thoroughly covered and studied. The student will also cover special effects and corrective solutions for haircoloring.
Lecture 15 hours; Laboratory 35 hours; Clinical 125 hours
COS416 Cosmetology VI
Cosmetology VI is designed to build an understanding of skin structure, growth and nutrition. Skin disorders and diseases are covered in this course. Knowledge and skills for hair removal, facials, and facial make up are discussed and practiced.
Lecture 15 hours; Laboratory 20 hours; Clinical 90 hours

COS417 Cosmetology VII
This course is designed to provide students with knowledge of nail structure and growth. Nail disorders and diseases will be discussed. Students receive knowledge and skills on the principles and practices of manicuring and pedicuring.
Lecture 15 hours; Laboratory 15 hours; Clinical 70 hours

COS418 Cosmetology VIII
This course is designed to develop knowledge and skills of nail tips and wraps. MLPP nail enhancement and UV Gel Nails are covered in this course.
Lecture 15 hours; Laboratory 15 hours; Clinical 45 hours

COS419 Cosmetology IX
This course is designed to prepare students for seeking employment in the cosmetology field as well as on-the-job skills needed to maintain employment. Salon business and opportunity are covered in this course.
Lecture 15 hours; Laboratory 15 hours; Clinical 20 hours

COS420 Cosmetology X
This course is designed to prepare students to take the state licensure examination. A comprehensive review of the Cosmetology Program is followed by practice exams.
Lecture 25 hours; Laboratory 25 hours

COS421 Cosmetology XI
This course is designed for miscellaneous lectures, classes and workshops.
Lecture 75 hours; Laboratory 100 hours
Course Descriptions – Message Therapy Program

MT308 Massage I
This course examines the history of massage. Topics covered include indications, contraindications, and areas of endangerment; health, hygiene, sanitation and safety standards; and general principles of giving a massage. The course examines Swedish massage techniques that form the basis for therapeutic massage.

MT309 Allied Modalities
This course is designed as an overview of various allied modalities of massage therapy. The topics covered include health related areas such as sports medicine, clinical pathology, exercise physiology and range of motion. Also covered are the Asian bodyworks such as Shiatsu, Tai Massage, and Chinese Medicine. Other modalities including energy techniques, NMT, Trigger Point, Myofascial Release, Rolfing, etc. will be reviewed and demonstrated. Additionally, students study first aid, CPR, and HIV/AIDS.

MT310 Therapeutic Massage
This course focuses on the overall therapeutic massage experience. Areas of concentration include therapist care and body mechanics, client draping, client positioning, interpersonal communication, palpatory skills, and joint movement.

MT311 Massage II
This course examines how the human body responds to various sports related activities. There is an emphasis on injuries, pain and sports movement. Students are exposed to pre/post sports massage techniques and routines. Also covered is the scientific application of water for the purpose of therapy and rehabilitation. An overview of current trends in spa therapy, spa operations and the study of paraffin baths, hot stone therapy, and various spa applications will be covered. Students will also learn key points of Sports massage, examining how the human body responds to various sports related activities. There is an emphasis on injuries, pain and sports movement.

MT312 Kinesiology
This course is an overview of human anatomy, structural kinesiology, and their relation to movement. Lecture to familiarize students with basic techniques and/or improving techniques of advanced students in the use of Swedish massage strokes while applying practical applications.

MT313 Pathology
This course focuses on the most common disease conditions a massage therapist encounters. The etiology, prevention and appropriate massage interventions are examined.
MT314 Massage Clinical
Upon completion of the core program, Massage Therapy students participate in a 100 hour clinical massage experience. The clinical massage provides the student an opportunity to apply principles and practices learned in the program and utilize entry level massage therapy skills in working with patients and clients. Students must successfully complete their clinical massage experience in order to fulfill requirements for graduation.
Prerequisite: Completion of MT308- MT313

MT315 Massage III
This course focuses on muscle and bone palpation with attention to trigger points, pain referral patterns, and stretching in a lab setting. Muscles will be addressed in groups according to their location. Completion of this course will allow the student to effectively create client treatment plans as related to massage therapy.

CD102 Career Development
This course includes an in-depth look at the requirements of the Virginia State Massage Therapy Regulations. The students will gain an overall understanding of Medical Ethics within the Massage Therapy Profession along with the skills involved in being both a successful business owner and a Massage Therapist.
Course Descriptions – Medical Assistant Program

**MA612/MA630 Patient Care and Communication**
This Course emphasizes patient care, including examinations and procedures related to the eyes and ears, the nervous system, and the integumentary system. Students will have an opportunity to work with and review patient charts and perform front office skills related to records management, appointment scheduling, and bookkeeping. Students gain an understanding of the importance of communication (verbal and nonverbal) when working with patients both on the phone and in person. Students develop an understanding of basic anatomy and physiology of the special senses (eyes and ears), nervous and integumentary systems, common diseases and disorders, and medical terminology related to these systems. Students study essential medical terminology, build on keyboarding and word processing skills, and become familiar with the self-directed job search process by learning how to cultivate the right on-the-job attitude, assembling a working wardrobe and identifying the strategies it takes to become the best in your new job so that you can advance in your career.

**MA613/MA631 Medical Office and Health Sciences**
The Medical Office and Health Sciences course introduces students to the health care environment and office emergencies and first aid, with an emphasis on bandaging techniques for wounds and injuries. Students study medical insurance, billing and coding, bookkeeping procedures, accounts payable and receivable, financial management, banking, and check writing procedures that are essential to the successful operation of the medical office. Students develop an understanding of good health nutrition and weight control and strategies in promoting good health in patients. Students gain an understanding of basic anatomy and physiology of the digestive system, common diseases and disorders, and medical terminology related to this system. Students study essential medical terminology, build on their keyboarding and word processing skills, and become familiar with the self-directed job search process by developing career networking techniques that will assist you in being successful in the medical field.

**MA614/MA632 Clinical Assisting and Pharmacology**
The Clinical Assisting and Pharmacology course stresses the importance of asepsis and sterile technique in today’s health care environment. Students learn about basic bacteriology and its relationship to infection and disease control. Students identify the purpose and expectations of the Occupational Health and Safety Administration (OSHA) and the Clinical Laboratory Improvement Amendments (CLIA) regarding disease transmission in the medical facility. Students become familiar with the principles and various methods of administering medication. Basic pharmacology, therapeutic drugs, their uses, inventory, and classification and effects on the body are included. Students participate in positioning and draping of patients for various examinations and prepare for and assist with minor office surgical procedures. Students gain an understanding of basic anatomy and physiology of the muscular system, common diseases and disorders, and medical terminology related to this system. Students study essential medical terminology, build on their keyboarding and word processing skills, and become familiar with the self-directed job search process by identifying their personal career objective, create a neat, accurate, well-organized cover letter, resume, and job application.
MA615/MA633 Cardiovascular and Respiratory System
The Cardiovascular and Respiratory System course examines the circulatory and respiratory systems, including the structure and function of the heart and lungs and diseases, disorders, and diagnostic tests associated with these systems. Students learn about the electrical pathways of the heart muscle in preparation for applying electrocardiography (ECG or EKG) leads and recording a 12-lead electrocardiogram. A cardiopulmonary resuscitation (CPR) course is taught which enables students to respond to cardiac emergencies. Students check vital signs and differentiate between normal values for pediatric and adult patients. They obtain blood samples, and prepare syringes and medications for administration. Students study essential medical terminology, build on their keyboarding and word processing skills. Students become familiar with the self-directed job search process by identifying and demonstrating what a successful job interview contains and how to answer common interview questions accurately.

MA616/MA634 Maternal Child
The Maternal Child course covers general anatomy and physiology, including an overview of the study of biology and the various body structures and systems. This module also identifies and examines the basic structural components and functions of the skeletal, endocrine and reproductive systems. Students learn about child growth and development, and how heredity, cultural and the environmental aspects affect behavior. Students gain an understanding about assisting in a pediatrician’s office and learn the important differences that are specific to the pediatric field. Some of the skills students learn in this area are height, weight, measurements and restraining techniques used for infants and children. They check vital signs, assist with diagnostic examinations and laboratory tests, instruct patients regarding health promotion practices, and perform certain invasive procedures. Students study essential medical terminology, build on their keyboarding and word processing skills, and become familiar with the self-directed job search process by learning all about how to become and learn from mentoring.

MA617/MA635 Laboratory Procedures
The Laboratory Procedures Course introduces Microbiology and laboratory procedures commonly performed in a physician’s office or medical clinic. Students learn specimen identification, collection, handling and transportation procedures, and practice venipuncture and routine diagnostic hematology. Maintenance and care of laboratory equipment and supplies are discussed. Students gain knowledge in radiologic and nuclear medicine and become familiar with various radiologic examinations and the patient preparation for these exams. Anatomy and physiology of the Urinary system, Blood and Lymphatic system, and the body’s immunity including the structure and functions, as well as, common diagnostic exams and disorders related to these systems. Students perform common laboratory tests, check vital signs, and perform selected invasive procedures. Students study essential medical terminology, build on their keyboarding and word processing skills, and become familiar with the self-directed job search by learning how to set their own career goals.
MA618/MA636 Psychology, Medical Law & Ethics
Psychology, Medical Law and Ethics covers the history and science of the medical field, as well as, the medical assisting profession and how it fits into the big picture. Students gain an understanding of concepts related to patient reception and the medical office and preparing for the day. Students become familiar with what it takes to become an office manager and the responsibilities an office manager has to the office, the staff, and the physician. Students are introduced to medical office safety, security, and emergency provisions, and how they can best be dealt with. Students learn how to maintain equipment and inventory. Computers in the medical office are discussed and how ergonomics plays an important role in the health of the staff and patients. Students learn how to provide mobility assistance and support to patients with special physical and emotional needs. Basic principles of psychology are discussed, as well as, psychological disorders and diseases and treatments available. Medical law and ethics and various physical therapy modalities are discussed. Students check vital signs, obtain blood samples, and prepare and administer intramuscular injections. Students study essential medical terminology, build on keyboarding and word processing skills, and become familiar with the self-directed job search process by learning how to dress for success.

MA619/MA637 Medical Assisting Externship I
Upon successful completion of Modules A through G, Medical Assisting students participate in a 180-hour externship at an approved facility. The externship provides the student an opportunity to apply principles and practices learned in the program and utilize entry level Medical Assisting skills in working with patients. Medical assisting externs work under the direct supervision of qualified personnel at the participating externship sites, and under general supervision of the school staff. Externs are evaluated by supervisory personnel at the site at 90- and 180-hour intervals. Completed evaluation forms are placed in the students’ permanent records. Students must successfully complete their externship experience in order to fulfill requirements for graduation.
Prerequisite: MA612-618

MA629 Medical Assisting Externship II
This section of the course is designed to simulate the working environment of a health care facility. The student will demonstrate competency in the administrative and clinical aspects of Medical Assisting.
Prerequisite: MA619

CD101 Career Development Skills
Students are provided with the resources necessary to develop a self-directed career search plan to match their individual goals. To ensure job-readiness and marketability, students will be instructed in all facets of the job search to include networking, lead sources, telephone etiquette, interview preparation and interview techniques. In addition, students will receive instruction and assistance with the preparation of marketing tools such as resumes, cover letters, and various correspondences. Instruction will be delivered through a variety of methods to include lecture, literature, demonstration and role playing. The use of outside sources to include motivational speakers and facility tours also play a key role in the overall Career Development curriculum.
CD102 Career Development
Students are provided with the resources necessary to develop a self-directed career search plan to match their individual goals. To ensure job-readiness and marketability, students will be instructed in all facets of the job search to include networking, lead sources, telephone etiquette, interview preparation and interview techniques. In addition, students will receive instruction and assistance with the preparation of marketing tools such as resumes, cover letters, and various correspondences.
Course Descriptions – Pharmacy Technician

PHT708 Introduction to General Pharmacy
This course is an overview of the allied health professions including the roles of pharmacy support personnel, pharmacy law, medical terminology and pharmaceutical abbreviations.

PHT709 Pharmaceutical Calculations
This course will cover the necessary mathematic concepts and skills used on the job by the pharmacy technician. Basic knowledge of mathematics essential for the understanding of drug dose calculations will also be covered.

PHT710 Drug Therapy I
The student will learn the relationships between anatomy, physiology, disease states, and pharmaceutical therapy. It will also include the origins, dosage forms, indications, action, routes of administration and side effects of both prescriptions and non-prescription drugs used in diseases of the central nervous system and the autonomic nervous system.

PHT711 Pharmacy Operations
This course will cover the technical aspects of computer operation. There is an emphasis on software designed for the use in pharmacy and the necessary skills for the pharmacy technician to communicate effectively. This course will also teach the basic concepts of community pharmacy calculations.

PHT712 Pharmacy Community Relationships
This course covers the basic concepts of computer operation. There is an emphasis on software designed for the use in pharmacy and the necessary skills for the pharmacy technician to communicate effectively. This course will also teach the basic concepts of community pharmacy calculations.

PHT713 Sterile Products
The student will learn the proper application of aseptic techniques and use of the laminar flow hood in the preparation of sterile products.

PHT714 Drug Therapy II
This course will cover the relationship between anatomy, physiology, disease states, and pharmaceutical therapy. It will include the origins, dosage forms, and indications, and actions, routes of administration and side effects of both prescription and non-prescription drugs used in diseases of the cardiovascular, endocrine, respiratory, digestive and reproductive systems.

PHT715 Pharmacy Externship I
This course will prove on-site training in outpatient and inpatient pharmacy services under direct supervision of a designated pharmacist. Student will return to campus for one week of Career Development skills.
PHT716 Pharmacy Externship II
A continuation of on-site training in outpatient and inpatient pharmacy services under direct supervision of a designated pharmacist.

CD101 Career Development
Students are provided with the resources necessary to develop a self-directed career search plan to match their individual goals. To ensure job-readiness and marketability, students will be instructed in all facets of the job search to include networking, lead sources, telephone etiquette, interview preparation and interview techniques. In addition, students will receive instruction and assistance with the preparation of marketing tools such as resumes, cover letters, and various correspondences. Instruction will be delivered through a variety of methods to include lecture, literature, demonstration and role playing. The use of outside sources to include motivational speakers and facility tours also play a key role in the overall Career Development curriculum.

CD102 Career Development
Students are provided with the resources necessary to develop a self-directed career search plan to match their individual goals. To ensure job-readiness and marketability, students will be instructed in all facets of the job search to include networking, lead sources, telephone etiquette, interview preparation and interview techniques. In addition, students will receive instruction and assistance with the preparation of marketing tools such as resumes, cover letters, and various correspondences.
Course Descriptions – Practical Nursing Program

PN 531 Fundamentals of Nursing I
Fundamentals of Nursing I focuses on the history of nursing, an overview of the nursing profession, and professionalism. Discusses laws and ethics, health and illness, culture and ethnicity, and communication. The lab portion of this course provides opportunities for the student to observe demonstrations of selected skills and show proficiency through return demonstration. Lecture - 90 hours; Lab - 30 hours

PN532 Fundamentals of Nursing II
Fundamentals of Nursing II continue to develop knowledge and ability through emphasis toward more complex client needs. Utilization of the nursing process to meet client needs is emphasized. Problems related to the integumentary system are discussed. Clinical training allows the student an opportunity to develop skills and attitudes necessary to work as a member of the health care team. Lecture - 45 hours; Lab - 15 hours; Clinical - 60 hours
Prerequisite: Fundamentals of Nursing I

PN519 Pharmacology
This course is designed to build an understanding of safe drug administration through the use of the nursing process. Concentration is placed on routes of administration, the responsibilities of the LPN when administering medications, calculation of dosages for the adult and child, and the “six rights” in administering medications. Drug classifications are discussed and student is taught how to research specific actions and uses, side effects by body system, contraindications, and nursing implementations before administering medication. Lab portion of this course covers preparation of medications and administration. A proficiency test must be passed with a 90% or better prior to administering medications at the clinical site. Lecture - 105 hrs; Lab - 15 hrs

PN522 Medical-Surgical Nursing I
This course is designed to provide the student with basic knowledge of Psychiatric Nursing, and common medical surgical problems related to the integumentary system and musculoskeletal system. Theory course content is correlated with clinical experience in all areas of clinical instruction. Lecture - 60 hours; Clinical - 30 hours

PN523 Growth and Development
This course discusses physical and psychological development from birth through geriatrics and how it affects an individual in wellness and illness. Content includes death, dying and bereavement. Lecture - 30 hours

PN524 Maternal-Child Nursing
This course is designed to provide knowledge and develop skills essential to caring for the client during intra partum, post partum and neonatal period. This course includes the care of children of various ages in wellness and illness. The special nutritional needs of both these groups are discussed. The clinical practicum allows the student to observe clients of both groups in a medical environment. Lecture - 90 hours; Clinical - 30 hours
PN525 Medical-Surgical Nursing II
This course is designed to provide the student with basic knowledge of common medical surgical disorders related to gastrointestinal, urinary and endocrine systems. Fluids and electrolytes are also discussed. Theory course content is correlated with clinical experience in all areas of clinical instruction. Lecture - 60 hours; Clinical - 60 hours

PN526 Medical-Surgical Nursing III
This course is designed to provide the student with basic knowledge of common medical surgical disorders related to the HIV and AIDS, immune, urinary and reproductive systems. Theory course content is correlated with clinical experience in all areas of clinical instruction. Lecture - 60 hours; Clinical - 60 hours

PN527 Medical-Surgical Nursing IV
This course is designed to provide the student with basic knowledge of common medical surgical disorders related to blood, lymphatic system, respiratory system, cardiovascular system, and reproductive system. Theory course content is correlated with clinical experience in all areas of clinical instruction. Lecture - 80 hours; Clinical - 40 hours

PN528 Medical-Surgical Nursing V
This course is designed to provide the student with basic knowledge of common medical surgical disorders related to the nervous system, sensory disorders and musculoskeletal disorders. Theory course content is correlated with clinical experience in all areas of clinical instruction. Lecture - 60 hours; Clinical - 60 hours

PN529 Geriatric Nursing
This course is designed to develop an understanding of normal processes of aging and common health problems of older adults. Students compare developmental tasks and identify differences among young-old, middle-old and old-old individuals. Students gain understanding of the impact of older adulthood on society and healthcare systems in the United States. Attitudes toward older adults are discussed. Theoretical content is correlated with patient care experiences in the clinical environment with an emphasis on rehabilitation. Modifications to nursing practice related to the geriatric patient are discussed. Lecture - 60 hours; Clinical - 60 hours

PN530 Leadership
This course is designed to develop and strengthen leadership skills within the scope of practice of a LPN. The student will be prepared to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). A comprehensive review of the PN Program is followed by several practice exams. A comprehensive exam must be taken and passed in order to successfully complete the PN Program. The course focuses on skills that assist the student in obtaining a job in the healthcare field to include resume writing, interview skills and critical thinking skills. Lecture - 60 hours; Lab - 60 hours
Course Descriptions – Surgical Technology Program

STS650 Health Care Concepts
This course teaches the necessary concepts for entry into the healthcare field. This course discusses the historical developments of surgery, information on the healthcare delivery system and facilities, roles and responsibilities of the surgical team, and presents legal/ethical issues. Personal and professional relations, job seeking skills, communication skills, and stress management will be discussed. Students will be introduced to the basic principles of pharmacology. Students will calculate drug levels based on patient’s statistics. The principles of anesthesia administration will be addressed. Medical terminology, medical errors and reporting systems will be discussed. Additionally, students study CPR and blood borne diseases including HIV/AIDS.

STS660 Body Structure and Function
This course provides instruction on the structure and function of the human body. Emphasis will be on the structure and function of body organs and systems including cellular biology and related terminology.

STS670 Surgical Technology Theory
Operating room theory and the role of the surgical technologist in the operating room, delivery room, and related areas will also be covered. This includes a basic knowledge of equipment, supplies and instrumentation. The physical environment of the surgical suite will be discussed. An introduction to microbiology and infection control as well as medical as surgical asepsis will also be provided.

STS672 Surgical Techniques and Procedures I with Lab
This course teaches the skills necessary to function as a surgical technologist in the operating room; including principles of aseptic technique, correct posture for scrubbing, gowning and gloving, draping and handling of specimens. The basic concepts of microbiology as they apply to the practice of surgery will be covered. Patient psychological needs and assessment, and the processes for obtaining consent for surgery will be covered.

STS674 Surgical Techniques and Procedures II with Lab
This course teaches the skills necessary to function as a surgical technologist in the operating room including principles of aseptic technique, care and counting of sponges, sharps and instruments. Wound Principle classifications and the surgical procedures for each will be discussed. In addition, patient transfer and positioning techniques will be covered. Identification of emergency situations and the appropriate action for patient care will be discussed. Application of thermoregulatory devices, vital signs, urinary catheterization, hemostasis and blood replacement will be discussed.
**STS676 Surgical Techniques and Procedures III with Lab**
This course teaches the skills necessary to function as a surgical technologist in the operating room including aseptic technique, and a basic understanding of robotics and their use in the operating room setting. In addition, an understanding of the principles of physics and electricity as it relates to the operating room environment will be covered. Students will gain computer knowledge as it relates to the surgical application of computers, computer hardware, computer software, graphics and internet basics.

**STS680 Surgical Specialties I with Lab**
This course teaches pre-operative theory, detailed surgical procedures, and special techniques involving the multiple surgical specialties. The peri-operative care of the individual patient is also covered. Specialties include diagnostic procedures, general surgery, plastic and reconstructive surgery, obstetrics and gynecology. Cell pathology, tumors, and disorders of each body system and the diagnostic tests associated with each will be covered. Prep of operative site, handling of specimens, and post operative care and methods of assessment for discharge are covered. Anatomy, surgical pathology, instrumentation, room setup, positioning, draping, incisions, and surgical procedures of each specialty area will be covered.

**STS682 Surgical Specialties II with Lab**
This course teaches pre-operative theory, detailed surgical procedures, and special techniques involving the multiple surgical specialties. The peri-operative care of the individual patient is also covered. Specialties include urological, ophthalmic and orthopedic surgery. Anatomy, surgical pathology, instrumentation, room setup, positioning, draping, incisions, and surgical procedures of each specialty area will be covered.

**STS684 Surgical Specialties III with Lab**
This course teaches pre-operative theory, detailed surgical procedures, and special techniques involving the multiple surgical specialties. The peri-operative care of the individual patient is also covered. Specialties include otorhinolaryngologic, oral/maxillofacial, neurosurgery, cardiothoracic surgery, and peripheral vascular surgery. Anatomy, surgical pathology, instrumentation, room setup, positioning, draping, incisions, and surgical procedures of each specialty area will be covered.

**STS690 Surgical Technology Externship I**
This course teaches the clinical procedures of surgical applications through observation and participation under professional supervision (pre-requisite).

**STS692 Surgical Technology Externship II**
This course teaches the clinical procedures of surgical applications through observation and participation under professional supervision (pre-requisite).

**STS696 Surgical Technology Externship III**
This course teaches the clinical procedures of surgical applications through observation and participation under professional supervision (pre-requisite).